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Water Resources Data
Ohio
Water Year 1984

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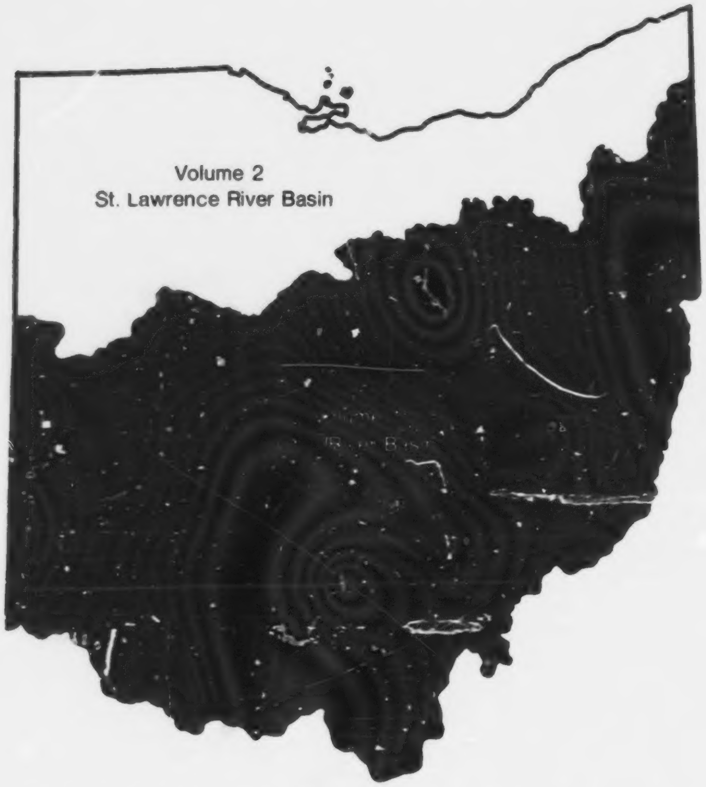
Volume 1. Ohio River Basin


Volume 2
St. Lawrence River Basin
Volume 1
Ohio River Basin

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT OH-84-1
Prepared in cooperation with the State of Ohio
and with other agencies

CALENDAR FOR WATER YEAR 1984

1983

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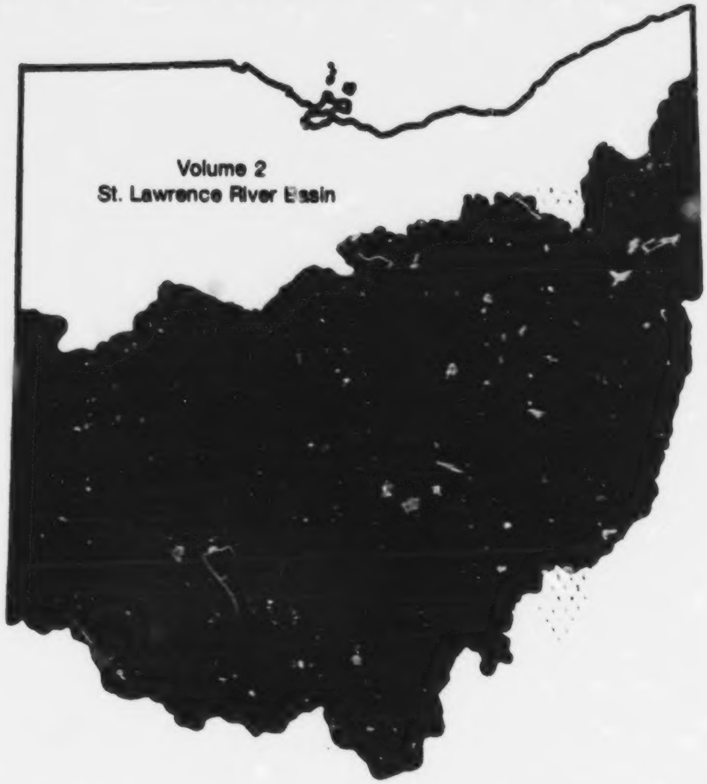
U.S. DEPARTMENT OF THE INTERIOR
March 3 1849

Water Resources Data
Ohio
Water Year 1984

Volume 1. Ohio River Basin

by Harold L. Shindel, Lawrence L. Stewart, and James R. Kolva


Volume 2
St. Lawrence River Basin

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT OH-84-1
Prepared in cooperation with the State of Ohio
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Ohio write to

District Chief, Water Resources Division
U.S. Geological Survey
975 West Third Avenue
Columbus, Ohio 43212

1985

PREFACE

This volume of the annual hydrologic data report of Ohio is one of the series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provides the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Ohio are contained in 2 volumes:

Volume 1. Ohio River Basin
Volume 2. St. Lawrence River Basin - Statewide Project Data

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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16. Abstract (Limit: 200 words)

Water resources data for the 1984 water year for Ohio consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels and water quality of ground-water wells. This report in two volumes contains records for water discharge at 127 gaging stations, stage and contents at 4 lakes and reservoirs; water quality at 31 gaging stations, 32 wells, and 14 partial record sites; and water levels at 387 observation wells. Also included are data from 60 crest-stage partial-record stations and 4 miscellaneous sites. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Ohio.

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CONTENTS

Page

Preface III
Acknowledgment III
List of gaging stations, in downstream order, for which records are published VI
List of ground water stations for which records are published VII
Introduction 1
Cooperation 1
Hydrologic conditions 2
Definition of terms 3
Downstream order and station number 11
Numbering system for wells and miscellaneous sites 11
Explanation of stage and water-discharge records 12
  Collection and computation of data 12
  Accuracy of records 14
  Other records available 14
Explanation of water-quality records 15
  Collection and examination of data 15
  Onsite measurement and sample collection 15
  Water temperature 16
  Sediment 16
Explanation of ground-water level records 17
  Collection of data 17
Access to WATSTORE Data 18
Publications on techniques of water-resources investigations 19
Station records 27
Partial-record stations and miscellaneous sites 216
  Crest-stage partial-record stations 216
Ground-water records 221
Index 314
Factors for converting inch-pound units to International System units (SI) .. Inside back cover

ILLUSTRATIONS

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude) 11
Figure 2. Runoff for 1984 water year compared with median runoff for period 1951-80 for four representative gaging stations 20
Figure 3. Maps showing location of data collection stations 21

GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

(Letter after station name designates type of data: (b) biological, (c) chemical, (d) discharge (e) contents and (or) elevation, (HBM) hydrologic bench mark, (m) microbiological, (NASQAN) National stream-quality accounting network, (r) radiochemical, (s) sediment, (t) temperature.)

Page

OHIO RIVER BASIN

Ohio River:

BEAVER RIVER BASIN

Mahoning River (head of Beaver River) at Alliance (d) ... 27
Mahoning River below Berlin Dam, near Berlin Center (d) ... 28
Mahoning River at Pricetown (d) ... 29
Kale Creek near Pricetown (d) ... 30
West Branch Mahoning River near Ravenna (d) ... 31
West Branch Mahoning River below M.J. Kirwan Dam, at Wayland (d) ... 32
Eagle Creek at Phalanx Station (d) ... 33
Mahoning River at Leavittsburg (d) ... 34
Mosquito Creek below Mosquito Creek Dam, near Cortland (d) ... 35
Mahoning River at Lowellville (d) ... 36
Mahoning River at OH-PA State line below Lowellville (ct) ... 37
Shenango River:
Pymatuning Creek at Kinsman (d) ... 46

LITTLE BEAVER CREEK BASIN

North Fork Little Beaver Creek:
Little Beaver Creek near East Liverpool (d) ... 47

YELLOW CREEK BASIN

Yellow Creek near Hammondsville (d) ... 48

SHORT CREEK BASIN

Short Creek near Dillonvale (d) ... 49

WHEELING CREEK BASIN

Wheeling Creek below Blaine (ds) ... 50

CAPTINA CREEK BASIN

Captina Creek at Armstrongs Mills (d) ... 54

MUSKINGUM RIVER BASIN

Tuscarawas River (head of Muskingum River):
Tuscarawas River at Massillon (d) ... 55
Tuscarawas River at Navarre (ct) ... 56
Sandy Creek at Waynesburg (d) ... 65
Middle Branch Nimishellen Creek (head of Nimishillen Creek) at Canton (d) ... 66
Nimishillen Creek at North Industry (d) ... 67
Conotton Creek:
McGuire Creek below Leesville Dam, near Leesville (d) ... 68
Tuscarawas River below Dover Dam, near Dover (d) ... 69
Sugar Creek below Beach City Dam, near Beach City (d) ... 70
Sugar Creek at Strasburg (d) ... 71
Beaver Dam Creek:
Stillwater Creek at Piedmont (d) ... 72
Stillwater Creek at Tippecanoe (d) ... 73
Stillwater Creek at Uhrichsville (d) ... 74
Clear Fork:
Little Stillwater Creek below Tappan Dam, at Tappan (d) ... 75
Tuscarawas River at Newcomerstown (d) ... 76
Black Fork (head of Walhonding River) below Charles Mill Dam, near Mifflin (d) 77
Black Fork at Loudonville (d) ... 78
Clear Fork below Pleasant Hill Dam, near Perrysville (d) ... 79
Mohican River (continuation of Black Fork):
Lake Fork below Mohicanville Dam, near Mohicanville (d) ... 80
Kokosing River at Mount Vernon (d) ... 81
Walhonding River (continuation of Mohican River) below Mohawk Dam, at Nellie (d) 82
Killbuck Creek at Killbuck (d) ... 83
Mill Creek near Coshocton (d) ... 84
Muskingum River (continuation of Tuscarawas River) near Coshocton (d) ... 85
Wills Creek:
Seneca Fork below Senecaville Dam, near Senecaville (d) ... 86
Wills Creek at Cambridge (d) ... 87
Salt Fork Reservoir (e) ... 88
Wills Creek below Wills Creek Dam, at Wills Creek (d) ... 89
Wakatomika Creek near Frazeysburg (d) ... 90
Muskingum River at Dresden (d) ... 91
Licking River
South Fork Licking River (head of Licking River) near Hebron (d) ... 92
Licking River near Newark (d) ... 93
Licking River below Dillon Dam, near Dillon Falls (d) ... 94
Muskingum River at McConnelsville (dcbms)... (NASQAN) ... 95

HOCKING RIVER BASIN

Hocking River:
Clear Creek near Rockbridge (d) ... 101
Hocking River at Enterprise (d) ... 102
Hocking River below Athens (dcbs) ... (NASQAN) ... 103

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED.--Continued

SHADE RIVER BASIN

West Branch Shade River near Burlingham (dcs) 106
Shade River near Chester (d) 112
East Branch Shade River near Tuppers Plains (dcs) 113

RACCOON CREEK BASIN

Racoon Creek at Adamsville (dct) 119

SCIOTO RIVER BASIN

Scioto River near Prospect (d) 129
Bokes Creek near Warrensburg (d) 130
Mill Creek near Bellpoint (d) 131
Scioto River below O'Shaughnessy Dam near Dublin (d) 132
Olentangy River at Claridon (d) 133
Olentangy River near Delaware (d) 134
Olentangy River near Worthington (d) 135
Scioto River at Columbus (d) 136
Big Walnut Creek at Central College (d) 137
Alum Creek at Africa (d) 138
Alum Creek at Columbus (d) 139
Big Walnut Creek at Rees (d) 140
Big Darby Creek at Darbyville (d) 141
Deer Creek near Pancoastburg (d) 142
Deer Creek at Williamsport (d) 143
Scioto River at Chillicothe (d) 144
Paint Creek below Paint Creek Dam, near Bainbridge (d) 145
Rocky Fork near Barrets Mills (d) 146
Paint Creek near Bourneville (d) 147
Scioto River at Higby (dcbmts) ... (NASQAN) 148
Reservoirs in Scioto River basin (e) 159

UPPER TWIN CREEK BASIN

Upper Twin Creek at McGaw (dcmsr) ... (HBM) 160

OHIO BRUSH CREEK BASIN

Ohio Brush Creek near West Union (d) 163

WHITEOAK CREEK BASIN

Whiteoak Creek near Georgetown (d) 164

LITTLE MIAMI RIVER BASIN

Little Miami River near Oldtown (d) 165
Massies Creek at Wilberforce (d) 166
Little Miami River at Milford (dcbmts) ... (NASQAN) 167
East Fork Little Miami River near Batavia (d) 181
East Fork Little Miami River at Perintown (d) 182

MILL CREEK BASIN

Mill Creek at Reading (d) 183
Mill Creek at Carthage (d) 184

GREAT MIAMI RIVER BASIN

Great Miami River:
Bokengehalas Creek near DeGraff (d) 185
Great Miami River at Sidney (d) 186
Loramie Creek near Newport (d) 187
Loramie Creek at Lockington (d) 188
Great Miami River at Troy (d) 189
Great Miami River at Taylorsville (d) 190
Stillwater River:
Greenville Creek near Bradford (d) 191
Stillwater River at Pleasant Hill (d) 192
Stillwater River at Englewood (d) 193
Mad River near Urbana (d) 194
Mad River (at St. Paris Pike) at Eagle City (d) 195
Mad River near Springfield (d) 196
Mad River near Dayton (d) 197
Great Miami River at Dayton (d) 198
Wolf Creek at Trotwood (d) 199
Great Miami River at Miamisburg (d) 200
Great Miami River near Linden Avenue at Miamisburg (ct) 201
Twin Creek near Ingomar (d) 210
Twin Creek near Germantown (d) 211
Fourmile Creek:
Sevenmile Creek at Camden (d) 212
Great Miami River at Hamilton (d) 213
Great Miami River at New Baltimore (cbmts) ... (NASQAN) 214

GROUND-WATER STATIONS FOR WHICH RECORDS ARE PUBLISHED

(Letter after station location designates type of data: (c) chemical, (l) water level.)

Well number	Local number	Location	Page
		ASHLAND COUNTY	
405303082170700	AS-2	Ashland (l)	221
405425082173000	AS-3	Jerome Fork (l)	222
		ATHENS COUNTY	
392004082071600	AT-2A	Athens (l)	223
392009082072200	AT-5	Athens (l)	224
		AUGLAIZE COUNTY	
403233083574500	AU-3	Southwest of New Hampshire (l)	225
		BELMONT COUNTY	
400118081082200	B-3	Mount Olive (l)	226
		BUTLER COUNTY	
391805084261800	BU-9	Northwest of Sharonville (l)	227
393202084241500	BU-15	Middletown (l)	228
391904084371800	BU-12	East of Ross (l)	229
392017084345200	BU-7	Fairfield (l)	230
392021084340300	BU-56	Fairfield (l)	231
392048084311400	BU-8	East of Hamilton (l)	232
392445084333000	BU-36	Hamilton (c)	233
392515084322000	BU-5	North of Hamilton (l)	234
392733084293000	BU-16	Southwest of Trenton (l)	235
392939084231700	BU-3	Middletown (l)	236
393103084240900	BU-2	Middletown (l)	237
		CARROLL COUNTY	
403709081052800	C-1	North of Carrollton (l)	238
		CHAMPAIGN COUNTY	
400638083453900	CH-3	Urbana (l)	239
		CLARK COUNTY	
395639084012200	CL-9	New Carlisle (l)	240
395840083495200	CL-7	Northwest of Springfield (l)	241
		CLERMONT COUNTY	
		COSHOCTON COUNTY	
401256081525100	CS-3	North of Conesville (l)	242
		DARKE COUNTY	
400514084345700	D-2	East of Greenville (l)	243
		DELAWARE COUNTY	
402126083040400	DL-3	Delaware (l)	244
		FAIRFIELD COUNTY	
394257082362900	F-6	Lancaster (l)	245
394544082271000	F-1	West Rushville (l)	246
395053082361900	F-5	Baltimore (l)	247
		FAYETTE COUNTY	
393153083322000	FA-1	West of Washington Court House (l)	248
		FRANKLIN COUNTY	
395118083573300	FR-3	Southwest of Rees (l)	249
395157083003500	FR-109	Columbus (l)	250
400101083021800	FR-10	Columbus (l)	251

Well Number	Local number	Location	Page
		GALLIA COUNTY	
383638082103300	G-2	East of Crown City (1)	252
		GREENE COUNTY	
394411083561300	GR-1	North of Xenia (1)	253
394425083551100	GR-10	North of Xenia (1)	254
		HAMILTON COUNTY	
391003084291500	H-11	Cincinnati (1)	255
391101084172100	H-3	Southeast of Miamiville (1)	256
391201084281600	H-10	Cincinnati (1)	257
391214084470100	H-1	Southeast of Harrison (1)	258
391324084272500	H-9	Cincinnati (1)	259
391341084275300	H-8	Wyoming (1)	260
391442084262900	H-7	Evendale (1)	261
391608084254400	H-6	Glendale (1)	262
391733084392400	H-2	South of Ross (1)	263
391748084393800	H-19	Southwest of Venice (c)	264
391817084393300	H-4	Southwest of Ross (1)	265
		HARDIN COUNTY	
404218083503700	HN-1	Alger (1)	266
		HOCKING COUNTY	
393200082235300	HK-1	Logan (1)	267
		KNOX COUNTY	
402344082300700	K-1	Mt. Vernon (1)	268
		LICKING COUNTY	
		MADISON COUNTY	
395301083272200	M-2	London (1)	269
395357083304400	M-4	Northwest of London (1)	270
395740083255700	M-3	North of London (1)	271
		MAHONING COUNTY	
400042080453800	MA-1	Canfield (1)	272
		MARION COUNTY	
403413083170500	MN-4	Southeast of New Bloomington (1)	273
403443083230400	MN-1	LaRue (1)	274
403601083110400	MN-2	West of Marion (1)	275
		MEDINA COUNTY	
410120081431800	MD-3	Wadsworth (1)	276
		MERCER COUNTY	
402833084375200	MR-2	Coldwater (1)	277
		MIAMI COUNTY	
395848084085500	MI-3	Northeast of Tipp City (1)	278
400308084112900	MI-44	Troy (c)	279
		MONTGOMERY COUNTY	
393757084173600	MT-928	Miamisburg (c)	280
394012084151700	MT-55	West Carrollton (1)	281
394025084162600	MT-49	West Carrollton (1)	282
394425084113200	MT-3	Dayton (1c)	283
394533084113800	MT-6	Dayton (1)	284

GROUND-WATER STATIONS FOR WHICH RECORDS ARE PUBLISHED.--Continued

Well Number	Local number	Location	Page
		MUSKINGUM COUNTY	
395804081593200	MU-1A	Zanesville (1)	285
		PICKAWAY COUNTY	
393327082571600	PK-7	South of Circleville (1)	286
393402082572500	PK-4	South of Circleville (1)	287
393638082572300	PK-6	Northwest of Circleville (1)	288
393438083072200	PK-8	Williamsport (1)	289
		PIKE COUNTY	
390359083015100	PI-2	West of Piketon (1)	290
		PORTAGE COUNTY	
411401081025000	PO-1	Windham (1)	291
		PREBLE COUNTY	
394438084335900	PR-2	East of Eaton (1)	292
		RICHLAND COUNTY	
404625082305100	R-4	Mansfield (1)	293
		ROSS COUNTY	
391341083172200	RO-7	West of Bainbridge (1)	294
391913082580500	RO-8	Chillicothe (1)	295
		SHELBY COUNTY	
401712084103500	SH-4	Sidney (1)	296
		STARK COUNTY	
404939081203800	ST-5A	Canton (1)	297
405051081244200	ST-28	Northwest of Canton (1)	298
405211081253500	ST-27	North Canton (1)	299
		SUMMIT COUNTY	
410141081315200	SU-4A	Akron (1)	300
		TRUMBULL COUNTY	
411604080505600	T-3	Near Warren (1)	301
		TUSCARAWAS COUNTY	
403207081293800	TU-3	Dover (1)	302
403557081313600	TU-4	Strasburg (1)	303
403653081321800	TU-1	North of Strasburg (1)	304
403823081324200	TU-5	Near Strasburg (1)	305
		UNION COUNTY	
401826083255200	U-4	Southeast of Raymond (1)	306
		VINTON COUNTY	
391452082282900	V-1	McArthur (1)	307
		WARREN COUNTY	
392712084191700	W-5	East of Monroe (1)	308
		WASHINGTON COUNTY	
392553081281600	WA-2	Marietta (1)	309
		WAYNE COUNTY	
404655081553200	WN-3	Near Wooster (1)	310
404802081583100	WN-2A	Near Wooster (1)	311
405745081510200	WN-7	Near Sterling (1)	312
405805081462300	WN-6	Rittman (1)	313

WATER RESOURCES DATA FOR OHIO, 1984

VOLUME 1: OHIO RIVER BASIN
VOLUME 2: ST.LAWRENCE RIVER BASIN
STATE-WIDE PROJECT DATA

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources in Ohio each water year. These data, accumulated during many years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to the interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Ohio."

This report includes records on both surface and ground water in the State. Specificially, it (Volumes 1 and 2) contains: (1) Discharge records for 127 streamflow-gaging stations, 4 miscellaneous sites,and peak flow information for 60 crest-stage partial-record stations; (2) stage and content records for 4 lakes and reservoirs; (3) water-quality data for 31 streamflow-gaging stations, 32 wells, and 14 partial record sites; and (4) water levels for 387 observation wells. Locations of lake- and streamflow- gaging stations and water-quality stations and crest-stage partial-record stations and locations of observation wells are shown in figures 3a, 3b, and 3c.

This series of annual reports for Ohio began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report was changed to present, in two to three volumes, data on quantities of surface water, quality of surface and ground- water, and ground water levels.

Prior to introduction of this series and and for several years concurrent with it, water-resources data for Ohio were published in a series of U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Part 3 and Part 4. For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on the chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and ground-water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S Geological Survey, 604 South Pickett Street, Alexandria, VA. 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report OH-84-2." For archiving and general distribution, the reports for 1971-74 water years are also identified as water-data reports. These water-data reports can be purchased in paper copy or in microfiche from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained by writing the District Chief at the address given on the back of title page or by telephoning [614] 469-5553.

COOPERATION

The U.S. Geological Survey and agencies of the State of Ohio have had cooperative agreements for the collection of water-resource records since 1898. Organizations that assist in collecting data in this report are: Ohio Department of Natural Resources, M.H. Shoemaker, Director; Ohio Environmental Protection Agency, R.H. Maynard, Director; Ohio Department of Transportation, W.J. Smith, Director; Miami Conservancy District, L.B. Coy, General Manager and Secretary; City of Columbus Department of Public Service, R.C. Parkinson, Director; City of Canton Water Department, J.D. Williams, Superintendent; Northeast Ohio Areawide Coordinating Agency, S.A. Jones, Director; Seneca County Soil and Water District, Gene Baltes, Chief, Quality Lab.

Funds or services were provided by the U.S. Army Corps of Engineers in collecting records for 76 hydrologic-data stations in this report.

The following organizations aided in collecting records: Miami Conservancy District, Corps of Engineers, U.S. Army, and Ohio Department of Natural Resources.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

At the start of the 1984 water year, streamflow was normal, except in the southwestern part of the State where it was deficient. Streamflow increased seasonaly and became excessive in the southwestern and central parts of the State during October but remained normal in the rest of the State.

November streamflow was excessive for the entire State, whereas December streamflow remained excessive except in central Ohio where it returned to normal.

January streamflow returned to normal except in central Ohio where it was deficient.

February was normal except in the northwestern part of the State where mid-month precipitation and snow melt caused streamflow to be excessive.

March streamflow remained normal except in western and central Ohio, where it was excessive.

April streamflow remained excessive in western Ohio but was normal in the remainder of the State.

May and June streamflow remained in the normal range despite the lowest monthly rainfall on record for the month of June.

July remained normal in the southwestern part of the State but fell to the deficient range in northwestern and central Ohio. Thunderstorms during the first part of the month caused excessive streamflow for the month in the eastern part of the State but returned to the normal range by month end.

August streamflow remained in the normal range except in eastern Ohio, where it increased into the excessive range.

September streamflow was normal for the entire State.

Figure 2 compares the 1984 mean discharges at four selected long-term stations with median discharges for the base period 1951-84.

Water Quality

The chemical quality of tested surface waters changed little from previous years.

Most of the streams tested in eastern and southeastern Ohio reported dissolved manganese above the alert limit (200 mg/l) as set by U.S. Geological Survey. Dissolved iron was above alert limit at all stations sampled in the Raccoon Creek Basin, during the water year and at the Hocking River below Athens during November 1983 and January 1984. Casto Creek at Columbus, and Turkey Run at Upper Arlington had some samples above the limit for total lead.

Wells sampled in the mining area of Jefferson County contained dissolved manganese above the limit.

Two of the three major basins in the State that have U.S. Geological Survey Monitors at NASQAN sites, showed slight improvement in water quality, as measured by specific conductance. Water quality of the Maumee and Scioto Basins improved, probably due to higher streamflow. The other station in the Cuyahoga Basin stayed about the same as previous years.

Ground Water

Most of the observation wells in Ohio tap sand and gravel aquifers in buried-valley or watercourse systems associated with the State's principal streams. The observation network also includes some bedrock wells in areas where deeper aquifers are important water supplies, such as the carbonate rock region of northwestern Ohio and various sandstone units of eastern Ohio. The yearly low for most wells occurs during the winter months, especially in colder, drier years or near the end of the growing season. Highs for the year usually occur from March through June, when recharge from snowmelt and springtime storms is greatest. The normal yearly water-level fluctuation for water-table and confined-aquifer wells is 3 to 5 feet.

At the start of the 1984 water year, ground-water levels were generally below normal as drought conditions continued. Ground-water levels rose in response to above- average precipitation in late October and November and were generally in the normal to above- normal range throughout most of December.

Below-normal precipitation and below-normal temperatures caused ground-water levels to decline during January and February. Some record lows occurred at this time.

Rainfall was above normal in April and May and water levels rose in most wells to their highest level for the year.

Generally, ground-water levels declined throughout the rest of the year and remained in the normal range, with the exception of central and southeastern Ohio where deficient precipitation resulted in below normal levels by year-end.

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Algal growth potential (AGP) is the maximum dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield reasonable quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on KF-streptoccus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^2), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and the ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (ml) or liters (L).

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs,ft /s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved: That material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totalling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface stream and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO).

Hydrologic Bench-Mark Station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Microgram per kilogram (UG/KG, ug/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of bottom material.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

National Stream-Quality Accounting Network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meters (m), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (ml) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	0.004 - 0.062	Sedimentation.
Sand..........	0.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population in terms of types, number, mass, or volume.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC,pCi) is one trillionth (1 x 10) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7 x 10 radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/ml) of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per millimeter (cells/mm) of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movement within the water column and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg C/(m time)] for periphyton and macrophytes and [mg/ C/(m time)] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg O/m time)] for periphyton and macrophytes and [mg O/m time)] for phytoplankton are the units for expressing primary productivity. They difine production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Recoverable from bottom material.--The amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

7-day 10-year low flow (7 Q10) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrate are basket samplers (made of wire cages fill with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is the part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organism have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	*Hexagenia*
Species	*Hexagenia limbata*

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross-section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called the "1980 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published after 1975.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

EXPLANATION OF THE RECORDS

The records in this report are for the 1984 water year that began October 1, 1983, and ended September 30, 1984. A calendar of the water year is provided on the inside of the front cover. Records for a given surface-water station, whether water discharge or water quality, are presented together, so far as practicable, with the water discharge presented first. Headings providing information on station location, drainage areas, and other pertinent items are included for all surface-water records except those regarded as miscellaneous or partial.

Station Identification Numbers

Each data station, whether streamsite or wellsite, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic locations. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and, in Ohio, for surface-water stations where only miscellaneous measurements are made.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main stream station are listed before that station. A station on a tributary that enters between two main stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in a "List of Stations" in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record station and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station such as 04041000, which appears just to the left of the station name, includes the two-digit part number "04" plus the six-digit downstream order number "041000". The part number designates the major river basin; for example, part "03" is the Ohio River Basin, and part "04" is the St Lawrence River Basin.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure 1 below.)

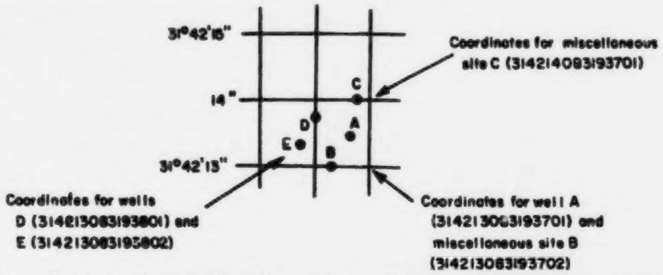
31°42'15"
14"
31°42'13"
C
D
A
E
B
Coordinates for miscellaneous site C (314214083193701)
Coordinates for wells D (314213083193801) and E (314213083193802)
Coordinates for well A (314213083193701) and miscellaneous site B (314213083193702)

Figure 1 System for numbering wells and miscellaneous sites (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir contents, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because mean daily discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of a partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage stations for which data are given in this report are shown in figure 3.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consists of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consists of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4)step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curve or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relation that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves, or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables give the contents from which daily, monthly, or yearly changes are then determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information.

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type maps available varies from one drainage basin to another, the accuracy of the drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only the peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--The remarks contain information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station, and possibly to other pertinent items.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at the station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or contents. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occured. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occuring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report following discovery of the error.

Manuscript information for lakes or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges respectively, for the month. Discharge for the month is often expressed in cubic feet per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by symbol and corresponding footnote.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are usually presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second, when collected, is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in time of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true; "good" within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned, are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredths of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to three significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Records of discharge, ground- water, reservoir contents, and water-quality; not published by the Geological Survey, are collected in Ohio at several sites by state and other federal agencies. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, Va 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Ohio District office. Also, most of the daily mean discharges are in computer-readable form and have been analylzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of descrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recording; however, because of cost, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 3a, 3b, 3c, 3d.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at a nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dessolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the insitu water, carefully prescribed procedures need to be followed in collecting the samples, in treating the sample to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniqques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed on p. 19 of this report. Also detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream-Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for each day of record. More detailed records (hourly values) may be obtained from the U.S.G.S. District Office whose address is given on the back of the title page of this report.

Water Temperatures

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharge for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge values differ from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colo. or Doraville, Ga. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor, temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the record.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums and minimums may not have been sampled. Extremes, when given, are for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Records of Ground-Water Levels

Water-level data from a network of observation wells (as well as project wells) are given in this report. The network well data are intended to provide a sampling and historical record of water-level changes in the Nations most important aquifers. Locations of the observation wells in this network in Ohio are shown in figure 3e, 3f. Water level data at projects are reported in Volume 2 under the specific project.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order The prime identification number for a given well is a 15-digit number that is based on latitude and longitude. The secondary identification number is the local well number, that is provided for local needs.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 is given in each well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or larger units.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry describes the aquifer by age and composition.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

DATUM.--This entry describes both the measuring point and the land surface altitude at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The altitude of the land surface datum (LSD) is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that are also water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF PUBLISHED RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water level records by the U.S. Geological Survey or cooperating agenacy, and the words "to current year" if the records are to be continued to the following year. Periods for which water-level records are available, but not published by the Survey, may be noted.

EXTREMES FOR PERIOD OF PUBLISHED RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum (LSD), and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below (or above) land-surface datum. All measurements of water level for peiodic wells are listed. For wells equipped with recorders, daily water-level lows are published. The highest and lowest daily water levels of the water year are shown on a line below the table. Because only daily lows are published for wells with recorders, the extreme instantaneaous high may be a value which is not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements. The quality of ground water ordinarily changes slowly, if at all, so that frequent measuring of the same parameter is not necessary unless one is concerned with a particular problem such as monitoring for trends of a particular constituent.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on the following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and the metal comprising the casings.

Data Presentation

The records of ground-water quality are published intermixed with the ground-water level data for network wells and with the specific project for project wells.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

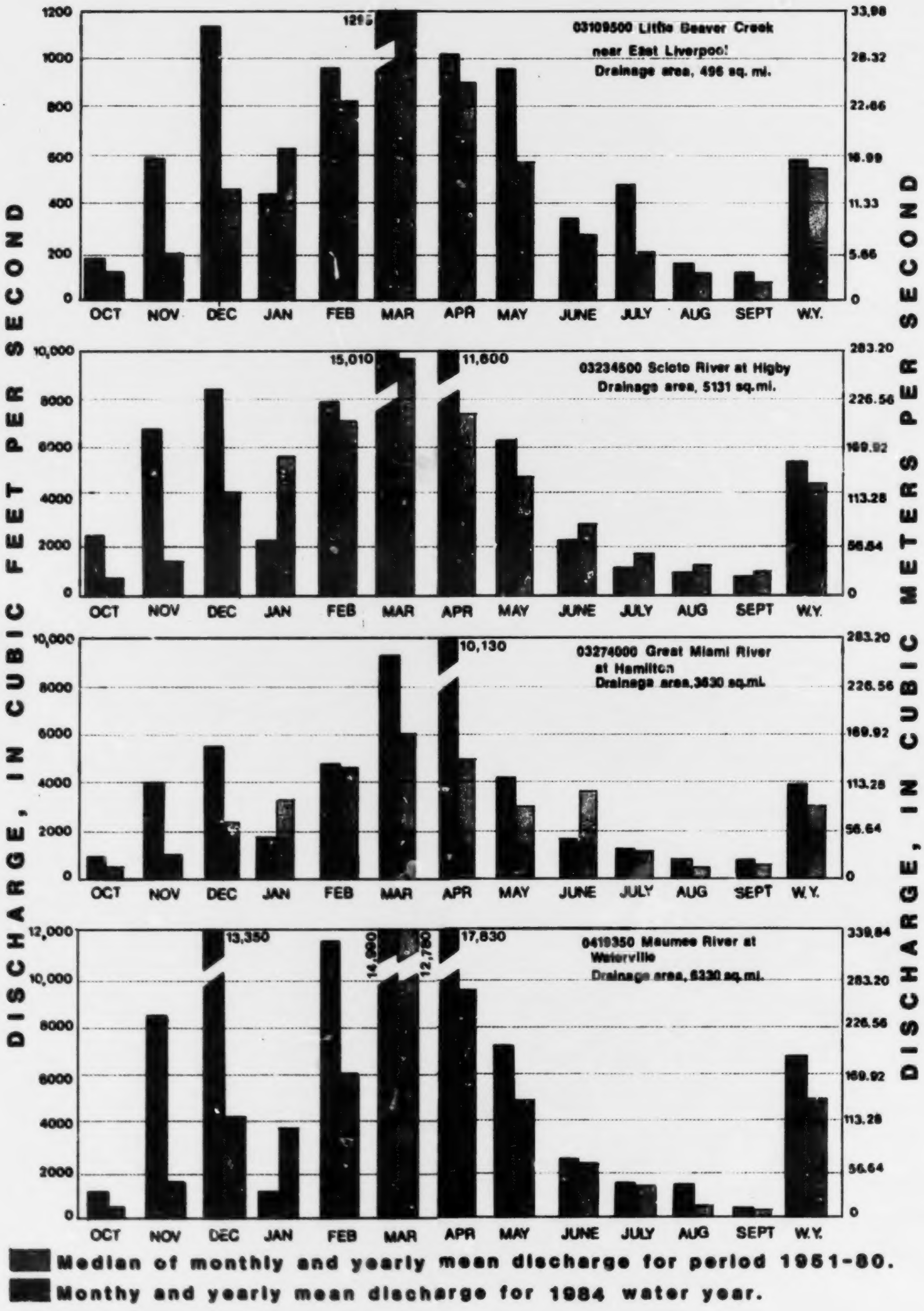

Figure 2.--Runoff during 1984 water year compared with median runoff for period 1951-80 for four representative gaging stations.

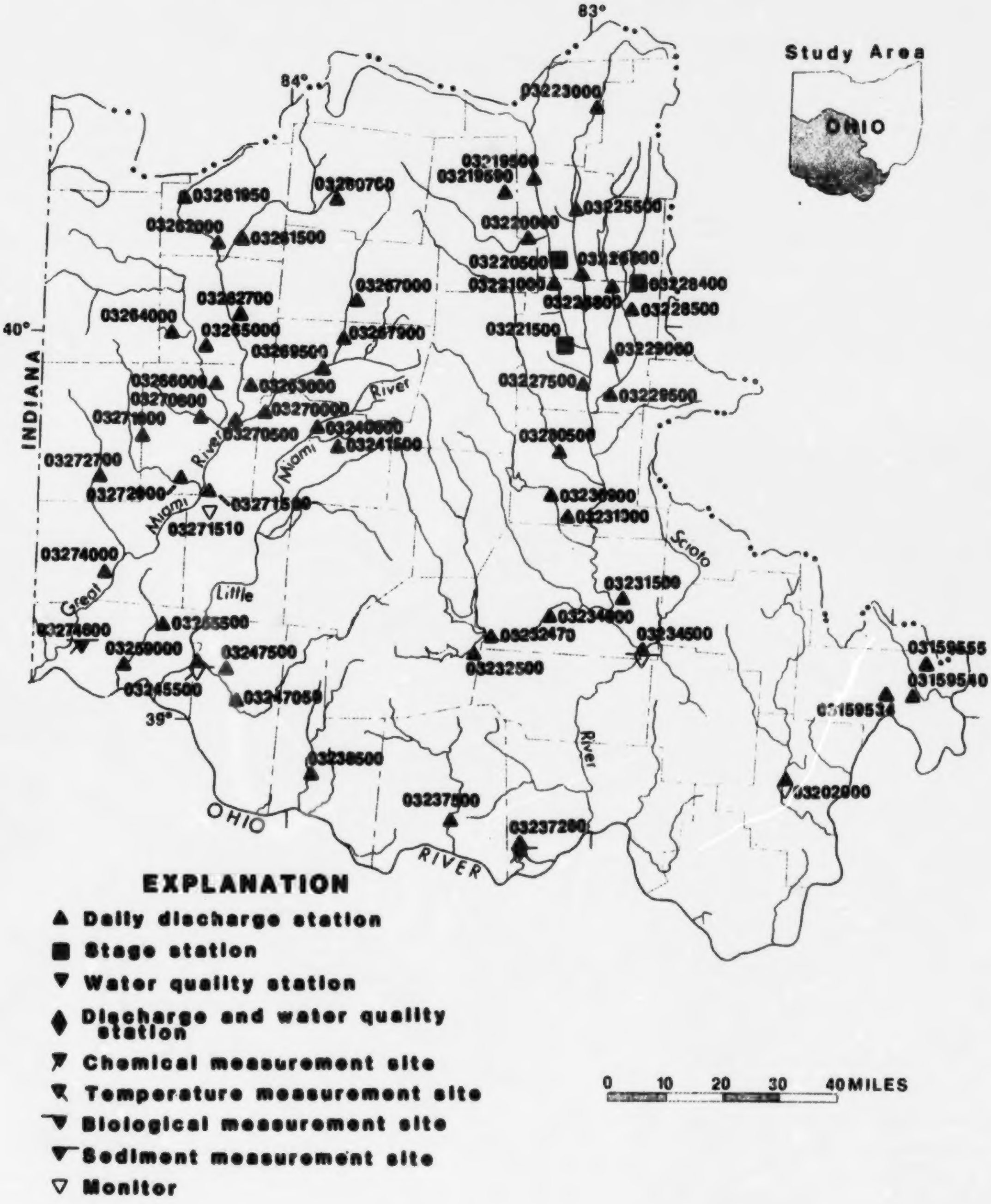
83°
84°
40°
39°
Study Area
OHIO
INDIANA
03223000
03219500
03219590
03225500
03220000
03220500
03226800
03221000
03228400
03228300
03228500
03221500
03229000
03227500
03229500
03230500
03230900
03231000
03231500
03234000
03232470
03234500
03232500
03261950
03260700
03262000
03261500
03267000
03262700
03264000
03265000
03267900
03269500
03266000
03263000
03270600
03270000
03271800
03270500
03240000
03241500
03272700
03272800
03271500
03271510
03274000
03274600
03255500
03259000
03247500
03245500
03247050
03238500
03237500
03237280
03202000
03159555
03159540
03159534
Miami River
Miami River
Little
Great
Scioto
River
OHIO RIVER
EXPLANATION
▲ Daily discharge station
■ Stage station
▼ Water quality station
◆ Discharge and water quality station
Chemical measurement site
Temperature measurement site
Biological measurement site
Sediment measurement site
▽ Monitor
0 10 20 30 40 MILES

Figure 3a.--Location of data-collection stations excluding crest-stage and low-flow partial record sites.

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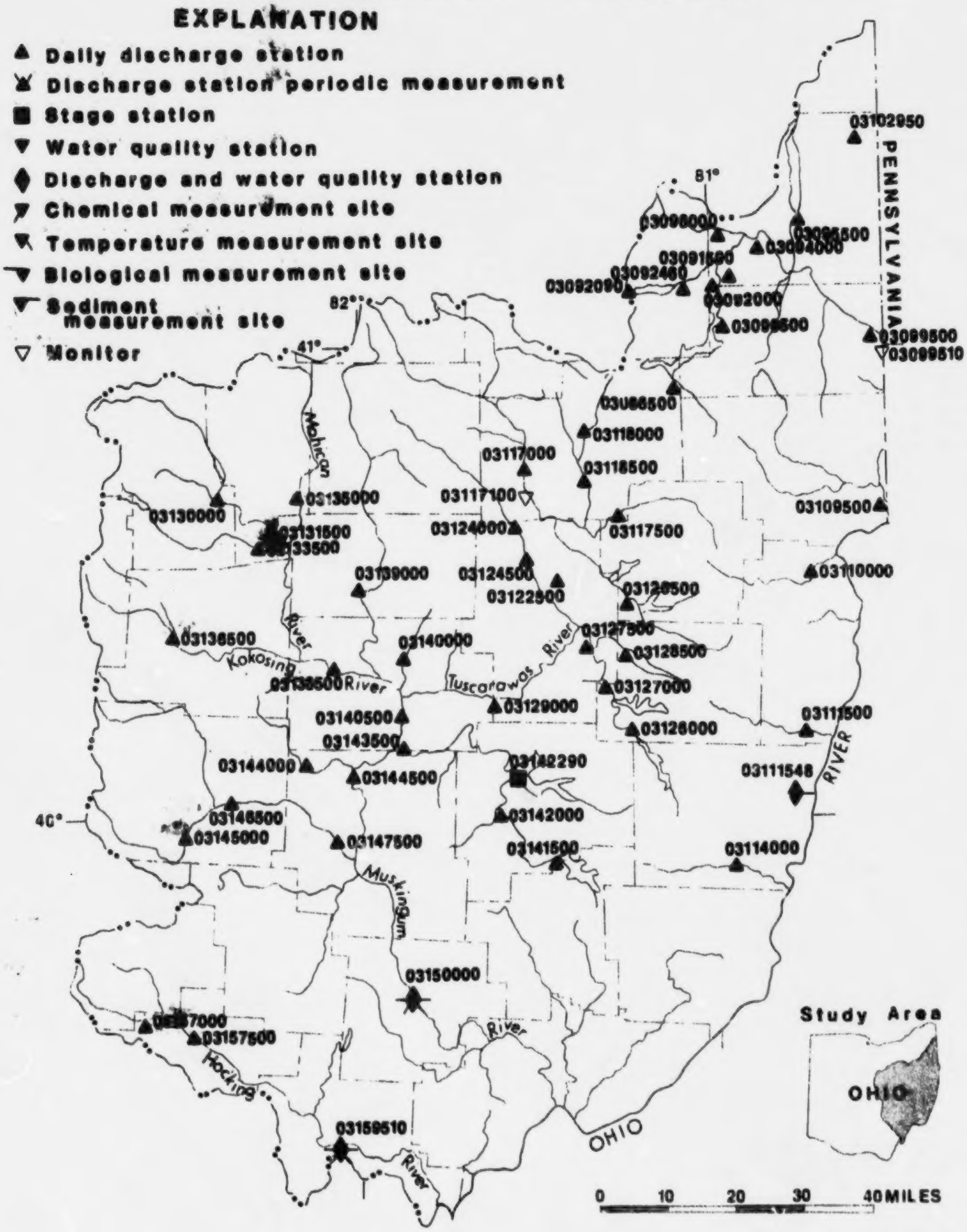
EXPLANATION
▲ Daily discharge station
Discharge station periodic measurement
■ Stage station
▼ Water quality station
◆ Discharge and water quality station
Chemical measurement site
Temperature measurement site
Biological measurement site
Sediment measurement site
▽ Monitor
82°
81°
41°
40°
PENNSYLVANIA
03102950
03098000
03095500
03094000
03091500
03092460
03092090
03092000
03098600
03099500
03099510
03086500
03118000
03118500
03117000
03117100
03117500
03109500
03124000
03124500
03122500
03120500
03110000
03130000
03135000
03131500
03133500
03139000
03136500
03138500
Kokosing River
Mohican River
Tuscarawas River
03127500
03128500
03127000
03140000
03140500
03143500
03129000
03126000
03111500
03144000
03144500
03142290
03111548
03146500
03145000
03147500
03142000
03141500
03114000
Muskingum River
03150000
03157000
03157500
Hocking River
03159510
OHIO RIVER
0 10 20 30 40 MILES
Study Area
OHIO

Figure 3b.--Location of data-collection stations excluding crest-stage and low-flow partial record sites and wells.

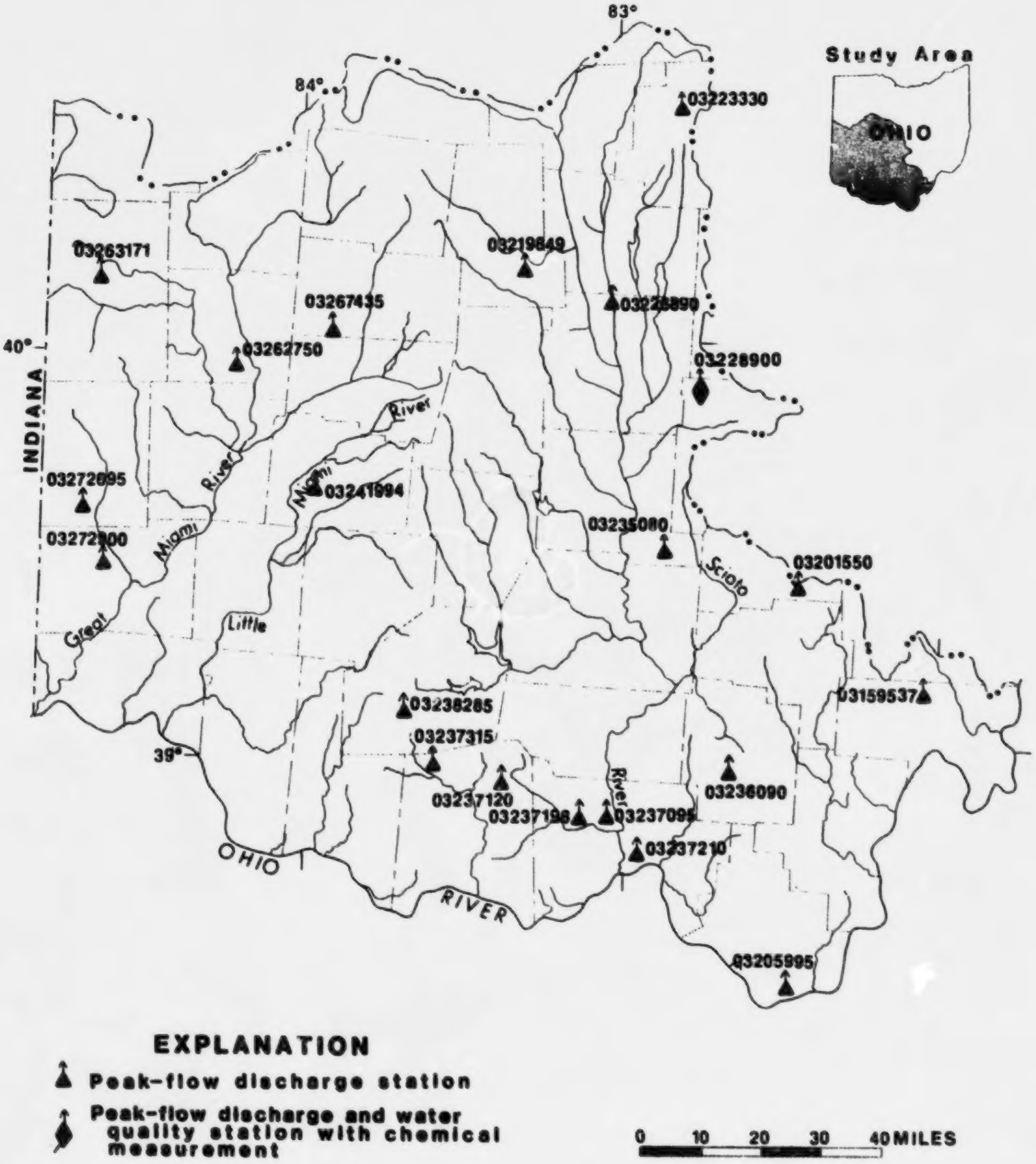
83°
84°
40°
39°
Study Area
OHIO
INDIANA
03223330
03263171
03219849
03267435
03225890
03262750
03228900
River
Miami
River
03241994
03272095
03235080
03272200
Miami
Sciota
03201550
Great
Little
03159537
03238285
03237315
03237120
03236090
River
03237198
03237095
03237210
OHIO
RIVER
03205995
EXPLANATION
Peak-flow discharge station
Peak-flow discharge and water quality station with chemical measurement
0 10 20 30 40 MILES

Figure 3c.--Location of crest-stage and low-flow partial record sites.

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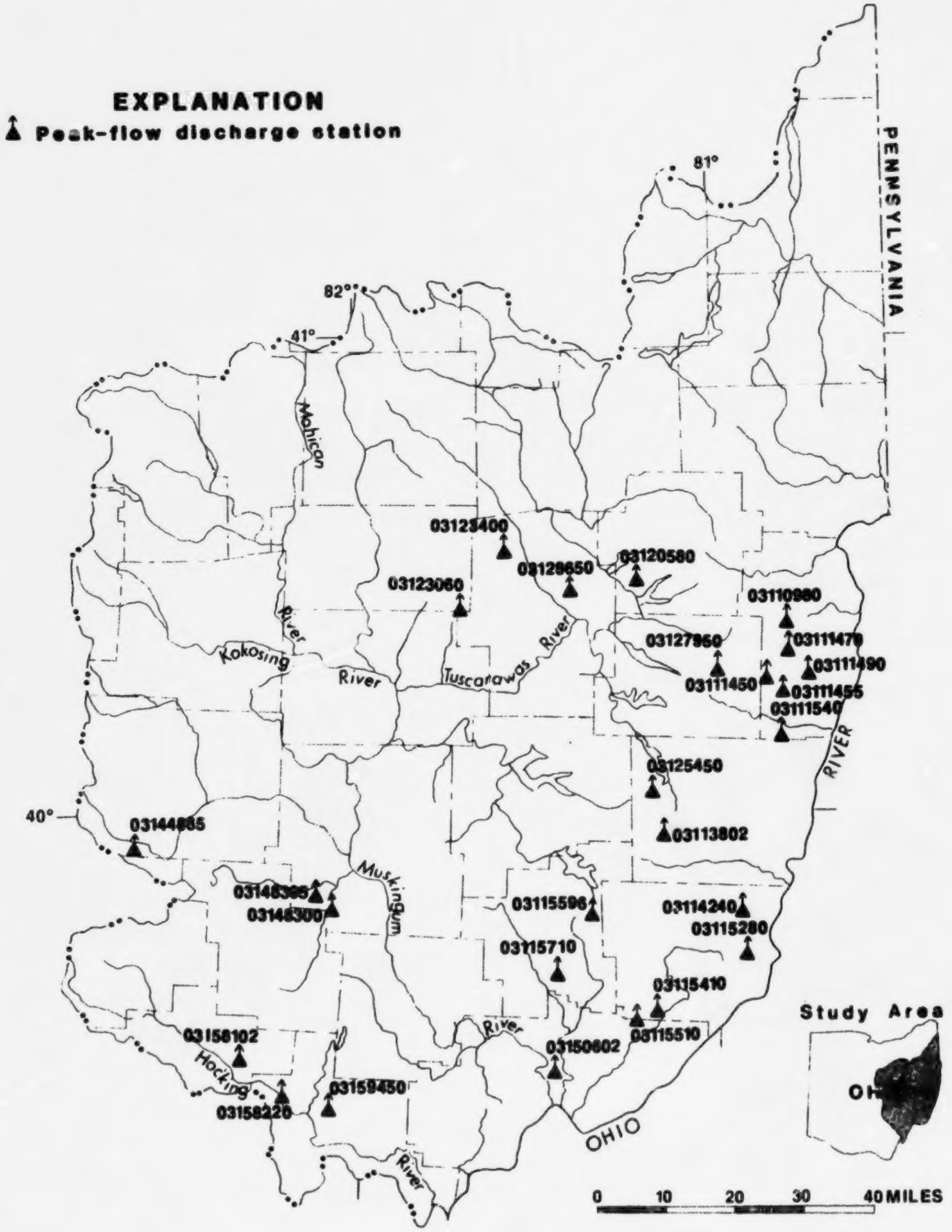
EXPLANATION
▲ Peak-flow discharge station
81°
82°
41°
40°
PENNSYLVANIA
Mohican
River
Kokosing
River
Tuscarawas
River
Muskingum
River
Hocking
River
OHIO
RIVER
03123400
03128650
03120580
03123060
03110980
03127950
03111470
03111490
03111450
03111455
03111540
03125450
03113802
03144885
03148395
03148300
03115596
03114240
03115280
03115710
03115410
03115510
03150602
03158102
03158220
03159450
Study Area
OHIO
0
10
20
30
40 MILES

Figure 3d.--Location of crest-stage and low-flow partial record sites.

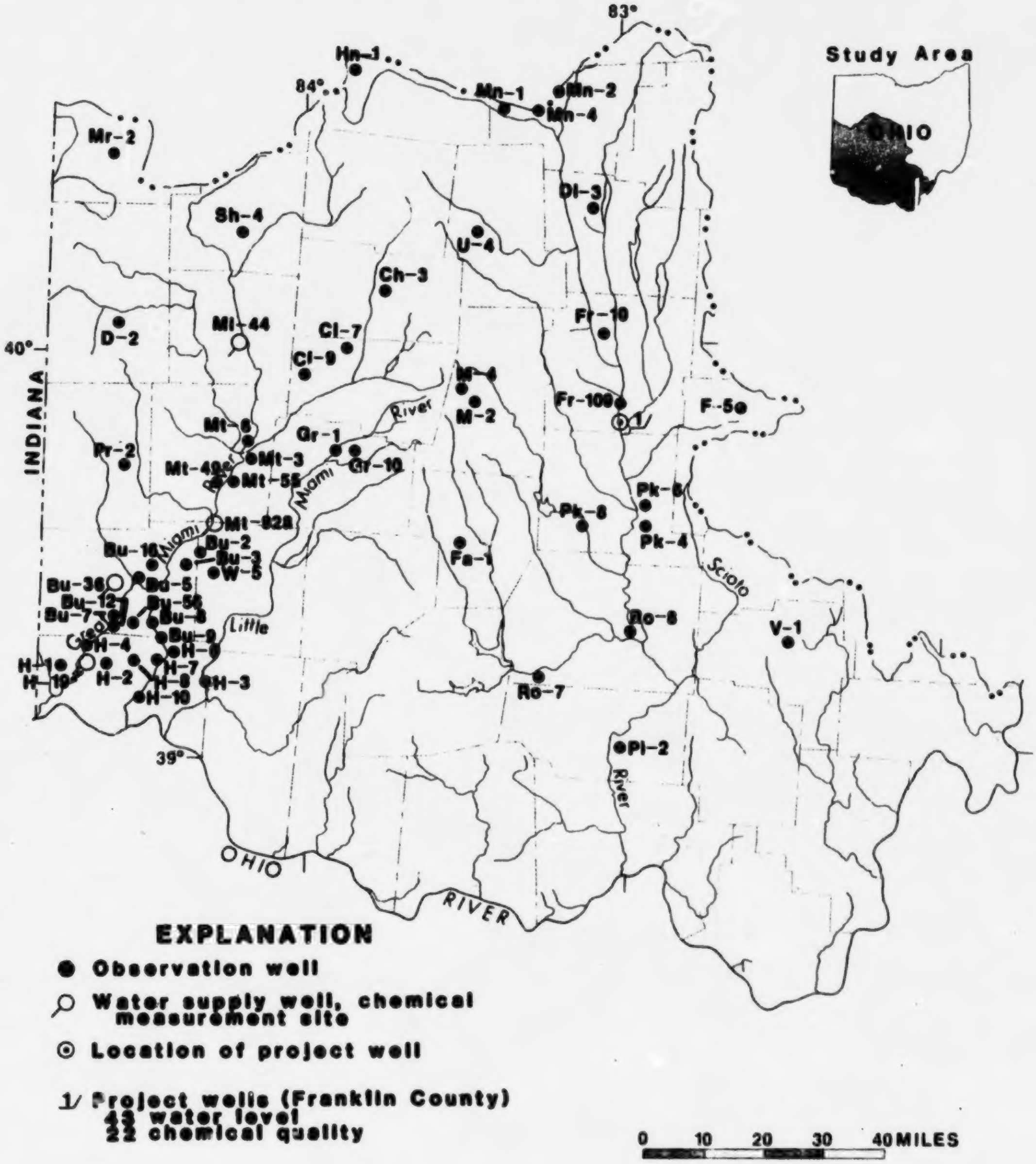
Study Area
OHIO
83°
84°
40°
39°
INDIANA
Hn-1
Mn-1
Mn-2
Mn-4
Mr-2
Dl-3
Sh-4
U-4
Ch-3
Fr-10
Ml-44
Cl-7
Cl-9
D-2
M-4
M-2
Fr-109
1/
F-5
River
Mt-6
Gr-1
Pr-2
Mt-3
Mt-49
Mt-55
Gr-10
Miami
Mt-82A
Pk-8
Pk-6
Pk-4
Bu-10
Bu-2
Bu-3
W-5
Fa-1
Scioto
Bu-36
Bu-5
Bu-12
Bu-56
Bu-7
Bu-8
Little
Ro-8
V-1
H-4
Bu-9
H-9
H-1
H-7
H-19
H-2
H-8
H-3
H-10
Ro-7
Pl-2
River
OHIO
RIVER
EXPLANATION
● Observation well
Water supply well, chemical measurement site
⊙ Location of project well
1/ Project wells (Franklin County)
43 water level
22 chemical quality
0 10 20 30 40 MILES

Figure 3e.--Location of wells.

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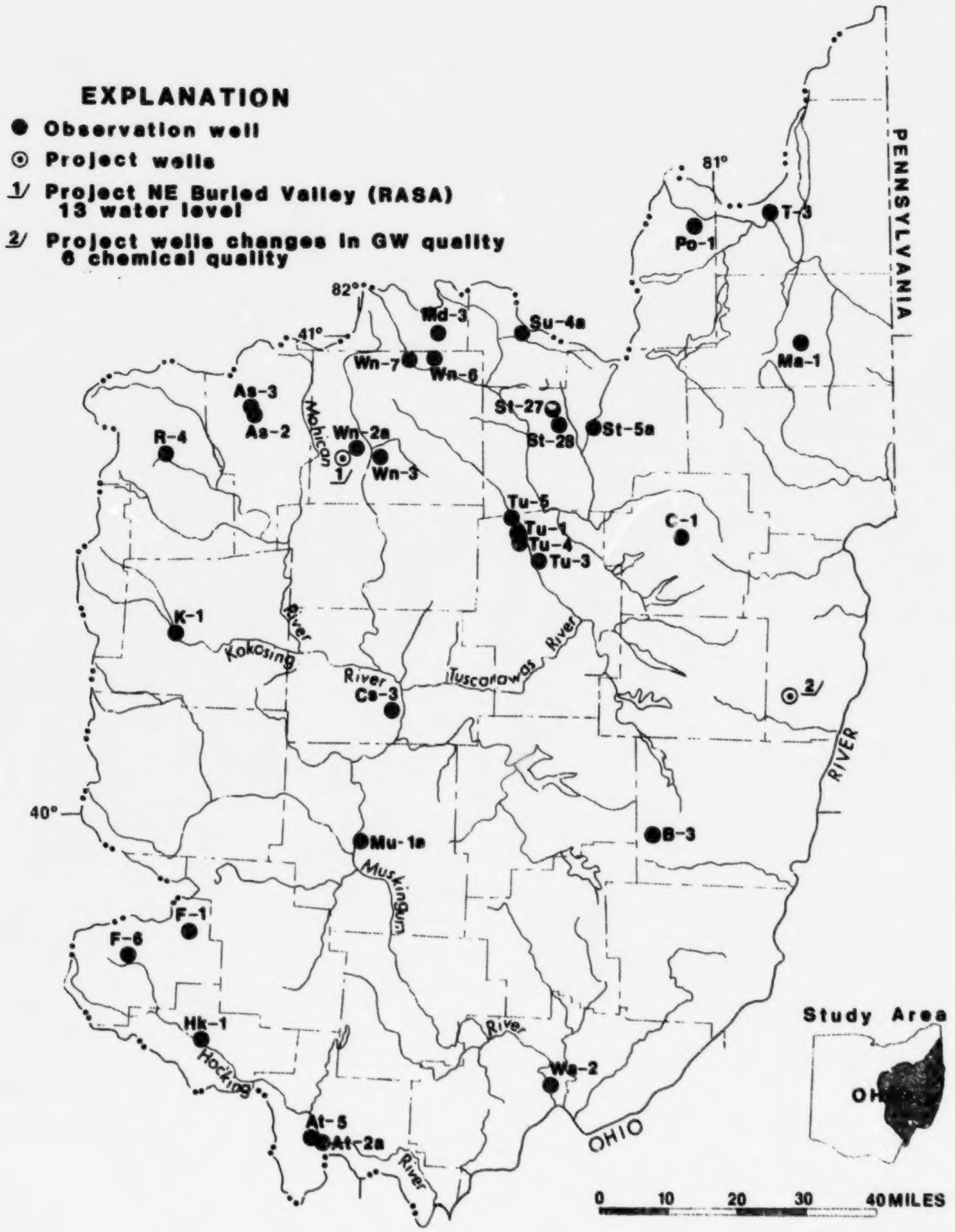
EXPLANATION
● Observation well
⊙ Project wells
1/ Project NE Buried Valley (RASA) 13 water level
2/ Project wells changes in GW quality 6 chemical quality
81°
82°
41°
40°
PENNSYLVANIA
T-3
Po-1
Ma-1
Md-3
Su-4a
Wn-7
Wn-6
As-3
As-2
R-4
Wn-2a
1/
Wn-3
St-27
St-28
St-5a
Tu-5
Tu-1
Tu-4
Tu-3
C-1
K-1
Kokosing
Mohican
River
River
Tuscarawas
River
Cs-3
2/
RIVER
40°
Mu-1a
B-3
Muskingum
F-1
F-6
Hk-1
Hocking
River
Wa-2
OHIO
At-5
At-2a
River
Study Area
OH
0 10 20 30 40 MILES

Figure 3f.--Location of wells.

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OHIO RIVER BASIN

BEAVER RIVER BASIN

03086500 MAHONING RIVER AT ALLIANCE, OH

LOCATION.--Lat 40°55'58", long 81°05'41", in SE 1/4 sec. 24, T.19 N., R.6 W., Stark County, Hydrologic Unit 05030103, on right bank 15 ft upstream from Webb Avenue Bridge in Alliance, 0.2 mi upstream from waterworks dam, and 4 mi upstream from Beech Creek.

DRAINAGE AREA.--89.2 mi^2.

PERIOD OF RECORD.--August 1941 to current year.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder and concrete dam. Datum of gage is 1,037.3 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for periods of missing record, Nov. 17 to Dec. 9, May 30 to June 13, and those for the winter period, which are poor. Flow slightly regulated by Westville Reservoir 9.3 mi upstream from station. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--43 years, 90.2 ft^3/s, 13.74 in/yr, unadjusted for diversion 1941-55.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,740 ft^3/s Jan. 21, 1959, gage height, 9.11 ft, from rating curve extended above 3,300 ft^3/s on basis of computation of peak flow over dam; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 5	unknown	960	unknown	Mar. 17	0300	*1,430	*3.96
Dec. 13	0100	927	3.25	Mar. 29	1600	1,340	3.83

Minimum daily discharge, 3.7 ft^3/s Oct. 1, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	15	190	150	70	80	352	54	45	13	10	42
2	4.4	21	120	130	60	80	284	87	32	13	12	26
3	4.4	87	80	120	320	75	116	108	30	13	45	26
4	8.6	83	130	110	463	87	121	253	27	15	79	48
5	13	64	780	120	310	146	244	205	24	210	279	26
6	10	57	470	130	75	395	234	172	35	101	72	21
7	4.4	57	280	120	70	330	249	159	58	125	36	17
8	4.4	36	200	100	65	205	163	244	35	75	33	17
9	4.4	45	142	90	60	160	116	428	24	39	26	19
10	4.4	51	146	80	75	140	83	330	20	36	28	28
11	3.7	116	150	70	368	130	73	215	17	48	108	21
12	26	177	554	65	362	120	75	220	16	36	68	15
13	21	125	741	60	346	110	79	172	17	24	39	21
14	24	116	325	55	741	110	87	220	28	19	26	64
15	12	108	284	55	610	177	116	146	24	17	21	39
16	8.6	163	249	50	341	716	116	112	159	17	15	26
17	6.0	300	210	50	300	1170	125	90	196	13	12	24
18	15	600	150	48	335	463	121	83	31	13	12	26
19	33	400	120	48	336	273	168	87	137	12	13	17
20	19	320	95	46	330	357	163	112	54	10	13	17
21	12	240	163	44	260	638	125	474	31	10	13	15
22	13	180	229	44	200	741	224	289	21	8.6	12	13
23	68	130	205	44	150	463	315	474	19	8.6	13	13
24	64	110	181	299	112	362	487	588	19	15	12	42
25	36	86	154	595	104	378	547	191	15	12	8.6	33
26	31	72	120	395	97	493	330	61	12	12	7.2	42
27	36	60	85	280	97	368	294	39	19	42	7.2	28
28	28	140	142	190	87	373	101	31	42	21	8.6	26
29	17	560	224	140	85	1080	72	130	19	13	13	45
30	13	360	191	110	---	834	61	70	15	12	48	104
31	13	---	160	85	---	468	---	55	---	10	104	---
TOTAL	561.0	4879	7270	3923	6830	11522	5641	5899	1221	1013.2	1193.6	901
MEAN	18.1	163	235	127	236	372	188	190	40.7	32.7	38.5	30.0
MAX	68	600	780	595	741	1170	547	588	196	210	279	104
MIN	3.7	15	30	44	60	75	61	31	12	8.6	7.2	13
CFSM	.20	1.83	2.64	1.42	2.65	4.17	2.11	2.13	.46	.37	.43	.34
IN.	.23	2.03	3.03	1.64	2.85	4.81	2.35	2.46	.51	.42	.50	.38

CAL YR 1983 TOTAL 40810.2 MEAN 112 MAX 1360 MIN 3.7 CFSM 1.26 IN 17.02
WTR YR 1984 TOTAL 50853.8 MEAN 139 MAX 1170 MIN 3.7 CFSM 1.56 IN 21.21

03090500 MAHONING RIVER BELOW BERLIN DAM, NEAR BERLIN CENTER, OH

LOCATION.--Lat 41°02'54", long 81°00'05", in T.1 N., R.6 W., Mahoning County, Hydrologic Unit 05030103, on left bank 600 ft downstream from Berlin Dam, and 3.2 mi northwest of Berlin Center.

DRAINAGE AREA.--248 mi².

PERIOD OF RECORD.--October 1930 to current year. Prior to October 1942, published as "near Berlin Center".

REVISED RECORDS.--WSP 743: 1932. WSP 853: 1936. WSP 873: 1932-34, 1935(M), 1936-38. WSP 1907: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 958.00 ft National Geodetic Vertical Datum of 1929, (levels by Corps of Engineers). Prior to Oct. 1, 1942, at site 1.8 mi upstream at datum 966.15 ft above mean sea level, adjustment of 1912, levels by Mahoning Valley Sanitary District. Oct 1, 1942, to May 11, 1949, at site 200 ft downstream from present site at datum 8.00 ft lower than present datum.

REMARKS.--Records good. Flow regulated since 1942 by Berlin Lake. Occasional small diversion during drought periods since 1958 from Berlin Lake to Meander Creek Reservoir, by the Berlin pipeline; diversion not included in figures of daily discharge. Water-quality data collected at this site 1965 to 1977.

COOPERATION.--Two discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--54 years, 238 ft³/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,630 ft³/s Jan. 25, 1937 gage height, 10.97 ft, site and datum then in use; no flow at times during 1948-49, 1967,1970-71.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft³/s Mar. 30, gage height, 3.68 ft; minimum daily discharge, 16 ft³/s Apr. 20-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	493	683	57	192	62	1110	286	350	154	211	203
2	167	585	690	57	188	62	1100	288	243	154	211	202
3	167	634	690	57	181	62	1080	289	195	154	211	199
4	169	676	697	57	181	62	1060	290	178	154	186	199
5	170	727	712	57	181	63	1040	288	154	154	160	199
6	170	719	719	57	192	66	1040	288	154	155	160	199
7	170	712	727	57	192	66	1030	289	154	156	160	199
8	170	712	812	57	196	66	1010	294	120	157	160	199
9	170	697	879	57	192	66	995	538	75	156	160	199
10	170	683	871	57	184	66	920	751	75	154	181	199
11	178	676	864	57	184	56	567	802	76	154	203	199
12	185	676	871	57	184	56	402	844	76	154	203	199
13	185	676	879	57	123	66	235	887	115	155	203	199
14	185	669	886	57	65	66	160	886	154	157	203	199
15	185	669	879	57	62	66	160	951	154	157	203	199
16	185	307	871	57	62	75	160	1020	154	157	203	199
17	190	302	871	57	62	184	162	772	154	157	203	199
18	198	592	864	57	61	412	122	434	157	157	203	199
19	200	669	856	57	61	556	38	286	112	157	203	199
20	200	662	849	57	61	592	16	290	79	144	203	199
21	200	655	834	57	61	662	16	457	78	130	203	199
22	200	655	727	57	62	879	16	795	79	133	203	199
23	196	648	412	57	62	1090	16	984	78	133	203	199
24	196	474	199	57	62	1090	141	1060	76	170	203	199
25	234	199	128	57	62	1080	278	1060	75	207	203	199
26	272	130	128	87	62	1080	280	1060	75	207	203	201
27	272	130	94	154	62	1060	220	878	114	207	203	203
28	272	136	57	188	62	1050	151	679	154	207	203	203
29	272	136	57	184	62	894	152	740	154	207	203	203
30	272	412	57	188	---	909	219	679	154	207	203	203
31	339	---	57	192	---	1130	---	492	---	211	203	---
TOTAL	6306	16111	18920	2418	3361	13714	13796	19657	3967	5116	6063	5995
MEAN	203	537	610	78.0	116	442	460	634	132	165	196	200
MAX	339	727	886	192	196	1130	1110	1060	350	211	211	203
MIN	167	130	57	57	61	62	16	286	75	130	160	199

CAL YR 1983 TOTAL 110930 MEAN 304 MAX 1150 MIN 43
WTR YR 1984 TOTAL 115424 MEAN 315 MAX 1130 MIN 16

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03091500 MAHONING RIVER AT PRICETOWN, OH

LOCATION.--Lat 41°07'53", long 80°58'17", in T.2 N., R.5 W., Mahoning County, Hydrologic Unit 05030103, on left bank 0.3 mi downstream from Milton Dam, 0.5 mi southwest of Pricetown, and 3 mi upstream from Kale Creek.

DRAINAGE AREA.--273 mi².

PERIOD OF RECORD.--July 1929 to current year.

REVISED RECORDS.--WSP 728: 1930(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 905.00 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929 nonrecording gage at same site and datum.

REMARKS.--Records fair. Flow regulated by Berlin Lake beginning 1942 and Milton Reservoir. Diversion upstream from station from Berlin Lake for part of municipal supply of Mahoning Valley Sanitary District. Water-quality data collected at this site 1965 to 1977.

COOPERATION.--Three discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--55 years, 261 ft³/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,770 ft³/s Jan. 25, 1937, gage height, 15.01 ft, from rating curve extended above 4,200 ft³/s on basis of velocity-area studies; minimum daily, 0.4 ft³/s Nov. 9, 1941, Feb. 19, 20, Oct. 11, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft³/s May 25, gage height, 5.08 ft; minimum daily discharge, 37 ft³/s Mar. 9-14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	262	796	135	62	39	1020	280	356	152	183	155
2	135	264	793	135	62	39	1020	282	197	154	182	155
3	277	267	793	135	64	39	1030	284	121	155	182	152
4	568	358	800	135	62	39	1000	285	121	158	180	153
5	564	527	796	135	62	40	990	285	123	157	180	153
6	558	527	796	135	62	39	990	285	125	159	177	152
7	548	530	800	135	62	39	990	285	125	159	177	152
8	542	530	878	133	62	38	990	423	128	158	176	153
9	539	530	1060	111	62	37	990	657	130	158	173	164
10	530	539	1060	61	62	37	929	778	132	157	173	155
11	306	545	1060	61	64	37	402	780	133	156	174	155
12	99	545	1060	61	64	37	272	904	134	153	174	155
13	165	545	1040	61	67	37	207	1050	135	151	171	168
14	230	545	1030	61	69	37	125	1050	137	146	170	157
15	230	548	1030	61	240	38	125	1050	137	142	170	157
16	227	555	1030	61	533	43	127	1050	138	140	169	157
17	227	548	1020	61	523	148	125	801	138	137	169	167
18	230	624	1010	61	520	379	125	447	138	135	170	157
19	225	698	1010	61	514	665	99	277	137	132	170	157
20	225	698	990	61	508	757	69	280	137	130	167	158
21	225	695	953	61	297	761	69	404	137	129	167	170
22	225	695	836	61	43	878	69	650	138	127	168	170
23	227	692	533	61	42	1010	69	895	140	145	165	170
24	222	502	212	62	40	1010	175	1060	140	187	166	170
25	242	212	137	61	40	1010	275	1070	142	185	165	170
26	262	115	137	61	40	1010	275	1070	143	185	165	171
27	262	115	137	61	40	1000	275	967	145	187	163	172
28	262	119	137	61	40	1010	275	792	147	185	165	200
29	262	117	137	61	39	906	275	789	149	185	166	294
30	262	379	137	62	---	921	277	718	150	184	166	294
31	262	---	137	62	---	1030	---	494	---	184	165	---
TOTAL	9273	13826	22345	2534	4345	13110	13559	20442	4355	4872	5308	5293
MEAN	299	461	721	81.7	150	423	452	659	145	157	171	176
MAX	568	698	1060	135	533	1030	1030	1070	356	187	183	294
MIN	99	115	137	61	39	37	69	277	121	127	163	152

CAL YR 1983 TOTAL 126668 MEAN 347 MAX 1230 MIN 52
WTR YR 1984 TOTAL 119252 MEAN 326 MAX 1070 MIN 37

03092000 KALE CREEK NEAR PRICETOWN, OH

LOCATION.--Lat 41°08'23", long 80°59'43", in T.3 N., R.5 W., Trumbull County, Hydrologic Unit 05030103, on right bank at downstream side of county line road bridge, 0.4 mi (0.6 km) north of Mahoning-Trumbull County line, 1.5 mi northwest of Pricetown, 2.2 mi upstream from mouth, and 3.5 mi south of Newton Falls.

DRAINAGE AREA.--21.9 mi².

PERIOD OF RECORD.--October 1940 to current year. Prior to June 1941 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 973: 1942. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 914.70 ft National Geodetic Vertical Datum of 1929. Prior to June 27, 1941, nonrecording gage at same site and datum.

REMARKS.--Records poor. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--44 years, 23.3 ft³/s, 14.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,890 ft³/s Jan. 21, 1959, gage height, 8.52 ft; no flow at times in 1952-55, 1962-66.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	2300	*555	*4.84	Mar. 16	2400	541	4.79

Minimum daily discharge, 0.38 ft³/s Aug. 26-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.49	.85	21	5.9	7.0	9.1	45	7.1	9.0	1.3	.64	2.2
2	.56	1.5	14	3.9	6.7	8.0	24	5.9	6.7	1.2	.53	1.5
3	.45	5.2	11	3.4	21	8.0	17	9.1	5.2	1.2	.63	1.3
4	.39	9.9	254	3.4	70	7.5	15	94	4.0	1.5	1.0	1.5
5	.56	6.2	270	3.2	33	17	45	45	3.5	2.4	8.4	1.4
6	.80	5.8	63	3.2	21	84	31	24	4.9	3.7	9.6	.90
7	1.0	4.0	99	7.0	14	92	25	15	6.5	6.8	3.0	.50
8	.89	2.6	36	5.9	9.9	84	18	85	4.8	4.1	1.4	.56
9	.72	1.8	23	4.7	8.6	56	13	142	4.0	2.5	1.0	.62
10	.62	1.5	20	4.0	12	34	9.9	39	3.7	1.6	.80	1.0
11	.50	39	24	3.6	97	22	9.6	22	3.9	1.8	1.2	.90
12	2.8	130	235	3.2	134	16	7.4	119	3.5	1.5	.90	.70
13	10	39	122	3.0	113	14	5.9	41	3.8	1.3	.70	.60
14	10	17	36	2.8	282	12	10	90	8.0	1.2	.60	5.0
15	7.2	23	33	2.6	104	12	19	27	7.5	1.1	.50	5.0
16	2.9	163	29	2.5	42	238	23	15	4.9	1.4	.45	2.5
17	1.5	116	20	2.4	34	336	65	10	4.0	1.1	.40	1.0
18	1.1	71	13	2.4	57	79	33	8.2	11	.95	.40	1.1
19	1.3	36	9.4	2.3	48	41	24	9.1	221	.80	.45	.80
20	1.5	31	7.3	2.3	35	92	19	16	17	.70	.50	.50
21	2.4	28	5.6	2.3	22	332	14	148	4.5	.62	.45	.50
22	3.1	21	9.6	2.2	17	163	11	34	2.2	.58	.40	.55
23	27	14	16	2.2	14	61	47	86	1.4	.54	.42	.50
24	28	13	15	9.6	13	45	162	67	1.2	.56	.44	1.0
25	6.5	11	14	66	11	70	66	16	1.3	.43	.40	.90
26	3.2	9.1	10	50	9.9	101	23	8.9	1.4	.42	.38	.98
27	2.4	7.8	7.0	40	9.4	36	15	6.6	2.0	4.6	.38	.74
28	1.8	127	6.0	23	8.8	43	12	82	2.3	5.6	.38	.66
29	1.3	200	5.5	13	8.3	328	9.9	117	2.0	1.5	.40	1.1
30	1.1	39	8.8	9.1	---	114	8.4	29	1.4	1.1	.54	1.8
31	.89	---	8.1	8.1	---	114	---	14	---	.76	3.8	---
TOTAL	122.97	1174.25	1445.3	297.2	1262.6	2668.6	828.1	1431.9	356.6	55.36	41.09	39.71
MEAN	3.97	39.1	46.6	9.59	43.5	86.1	27.6	46.2	11.9	1.79	1.33	1.32
MAX	28	200	270	66	282	336	162	148	221	6.8	9.6	6.0
MIN	.39	.85	5.5	2.2	6.7	7.5	6.9	5.9	1.2	.42	.38	.50
CFSM	.18	1.79	2.13	.44	1.99	3.93	1.26	2.11	.54	.08	.06	.06
IN.	.21	1.99	2.45	.50	2.14	4.53	1.41	2.43	.61	.09	.07	.07

CAL YR 1983 TOTAL 9020.76 MEAN 24.7 MAX 435 MIN .12 CFSM 1.13 IN 15.32
WTR YR 1984 TOTAL 9723.68 MEAN 26.6 MAX 336 MIN .38 CFSM 1.22 IN 16.52

03092090 WEST BRANCH MAHONING RIVER NEAR RAVENNA, OH

LOCATION.--Lat 41°09'41", long 81°11'50", in T.3 N., R.8 W., Portage County, Hydrologic Unit 05030103, on left bank at downstream side of bridge on Newton Falls Road, 2.5 mi east of Ravenna.

DRAINAGE AREA.--21.8 mi².

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,011.8 ft Portage County bench mark.

REMARKS.--Records fair except those for period affected by beaver dam, Oct. 1 to Nov. 16, which are poor. Water-quality data collected at this site 1966 to 1978.

AVERAGE DISCHARGE.--19 years, 28.4 ft³/s, 17.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,810 ft³/s Sept. 14, 1979, inside gage height 8.63 ft, outside gage height, 9.34 ft; minimum, 0.29 ft³/s Aug. 18, 1982.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 450 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 14	0530	451	4.57	May 12	0600	* 876	* 5.91
Mar. 16	1800	478	4.67				

minimum daily discharge, 1.0 ft³/s Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	16	28	11	13	13	43	11	16	3.4	5.3	4.9
2	2.8	29	20	10	11	13	30	10	12	3.4	15	3.7
3	2.6	48	18	10	74	12	25	23	10	3.0	30	4.9
4	2.4	24	250	10	130	12	29	212	8.4	4.1	85	4.9
5	3.4	20	174	10	67	42	97	70	10	16	41	3.4
6	6.5	18	134	10	36	92	108	40	16	24	14	3.4
7	5.5	15	125	13	23	73	60	31	11	37	14	2.3
8	4.4	11	56	11	18	52	35	184	8.4	11	9.4	2.0
9	3.6	9.0	38	9.3	16	43	26	128	6.9	7.4	6.5	1.8
10	3.2	7.0	35	8.5	23	29	20	59	5.7	6.1	6.1	2.3
11	3.8	110	46	8.0	251	25	16	91	5.3	5.7	5.3	2.3
12	8.0	90	265	8.0	258	22	14	475	4.5	5.3	4.9	2.0
13	14	60	111	7.5	209	21	14	105	4.9	4.5	4.1	2.0
14	7.0	40	56	7.5	336	22	28	105	20	4.1	4.1	8.4
15	4.4	34	48	7.0	111	34	43	47	10	3.7	3.4	5.7
16	3.5	207	33	7.0	59	325	30	30	6.5	3.4	3.0	3.4
17	4.0	230	23	7.0	50	199	25	22	5.7	3.0	2.6	2.3
18	4.6	132	18	7.0	98	85	32	20	15	3.7	2.6	2.0
19	4.5	216	14	6.5	77	57	23	24	56	3.4	5.3	1.8
20	3.7	162	11	6.5	51	132	21	113	16	2.6	3.4	1.8
21	8.0	98	9.7	6.5	34	325	18	196	8.4	2.3	2.6	1.4
22	16	51	56	6.5	26	162	21	57	6.5	2.3	4.5	1.2
23	34	34	40	6.5	23	82	61	121	5.7	2.3	5.7	1.4
24	20	33	21	39	20	64	115	62	4.9	2.0	3.7	1.4
25	12	26	15	81	19	125	60	28	4.5	1.8	3.4	2.0
26	10	20	13	83	16	120	33	20	4.1	2.3	2.6	5.7
27	8.5	16	12	67	14	64	24	16	3.7	18	2.0	4.5
28	13	153	14	40	14	125	20	39	3.4	7.4	1.8	5.3
29	10	119	21	25	14	261	15	47	3.4	5.3	4.5	4.1
30	8.5	47	18	20	---	101	14	27	3.4	4.1	7.9	3.7
31	7.5	---	13	16	---	72	---	20	---	3.4	7.9	---
TOTAL	242.6	2075.0	1735.7	565.3	2091	2804	1100	2433	296.3	206.0	311.6	96.0
MEAN	7.83	69.2	56.0	18.2	72.1	90.5	36.7	78.5	9.88	6.65	10.1	3.20
MAX	34	230	265	83	336	325	115	475	56	37	85	8.4
MIN	2.4	7.0	9.7	6.5	11	12	14	10	3.4	1.8	1.8	1.2
CFSM	.36	3.17	2.57	.84	3.31	4.15	1.68	3.60	.45	.31	.46	.15
IN.	.41	3.54	2.96	.96	3.57	4.78	1.88	4.15	.51	.35	.53	.16

CAL YR 1983 TOTAL 10952.10 MEAN 30.0 MAX 331 MIN .90 CFSM 1.38 IN 18.69
WTR YR 1984 TOTAL 13956.50 MEAN 38.1 MAX 475 MIN 1.2 CFSM 1.75 IN 23.91

03092460 WEST BRANCH MAHONING RIVER BELOW MICHAEL J. KIRWAN DAM, AT WAYLAND, OH

LOCATION.--Lat 41°09'25", long 81°04'19", in T.3 N., R.6 W., Portage County, Hydrologic Unit 05030103, on right bank 200 ft upstream from bridge on Wayland Road, 0.4 mi downstream from Michael J. Kirwan Dam, and 0.2 mi south of Wayland.

DRAINAGE AREA.--81.7 mi².

PERIOD OF RECORD.--October 1968 to current year. Prior to October 1969 published as "West Branch Mahoning River below West Branch Dam, at Wayland."

GAGE.--Water-stage recorder. Datum of gage is 926.44 ft National Geodetic Vertical Datum of 1929, (levels by Corps of Engineers). Prior to October 1971 at datum 0.89 ft higher.

REMARKS.--Records good. Flow completely regulated by Michael J. Kirwan Reservoir (see station 03092450). Water-quality data collected at this site 1969 to 1977.

COOPERATION.--Two discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--16 years, 107 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,380 ft³/s Feb. 25, 1971, gage height, 11.82 ft present datum; minimum daily, 2.5 ft³/s Apr. 9, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 598 ft³/s Dec. 25, gage height, 7.92 ft; minimum daily, 20 ft³/s Feb. 8, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	40	169	259	21	46	384	79	80	150	82	74
2	70	41	66	256	21	70	383	79	80	150	82	73
3	71	44	50	257	24	71	382	82	79	151	82	74
4	72	42	73	253	22	71	383	88	79	151	67	74
5	68	42	54	246	21	74	387	82	79	155	49	74
6	76	40	56	246	21	75	384	81	79	155	49	74
7	76	40	54	209	21	73	383	80	79	155	48	73
8	76	39	138	166	20	72	382	94	79	155	48	73
9	77	39	221	128	21	72	380	85	79	137	47	73
10	76	39	221	74	21	72	297	98	79	124	47	73
11	55	51	223	74	28	72	141	119	98	124	61	71
12	33	46	246	58	24	72	81	130	114	124	78	74
13	34	43	226	42	24	72	80	118	115	124	78	82
14	34	41	287	42	30	72	81	155	116	124	78	84
15	34	43	329	42	22	73	81	222	116	124	77	83
16	34	50	327	42	21	82	81	321	116	123	77	83
17	33	51	327	41	21	78	82	429	116	123	77	83
18	33	41	329	41	23	75	82	515	119	124	76	79
19	33	40	330	41	22	133	81	515	120	123	76	82
20	33	39	329	41	21	178	81	528	94	123	76	82
21	33	139	329	41	21	188	81	538	83	123	76	82
22	34	230	327	41	21	214	81	528	100	122	75	82
23	40	229	329	41	21	323	83	538	118	106	75	82
24	36	228	404	44	21	375	87	528	118	88	75	82
25	35	226	526	43	21	383	77	526	118	87	74	83
26	35	225	435	42	21	380	80	525	118	87	74	85
27	36	224	333	32	21	376	80	525	110	57	74	85
28	37	251	287	21	20	389	80	316	133	50	74	69
29	39	234	267	21	21	295	80	187	148	50	74	51
30	40	225	261	21	---	257	80	184	149	65	74	51
31	40	---	261	21	---	387	---	137	---	92	74	---
TOTAL	1493	3062	7814	2926	637	5170	5425	8432	3111	3646	2174	2290
MEAN	48.2	102	252	94.4	22.0	167	181	272	104	118	70.1	76.3
MAX	77	251	526	259	30	389	387	538	149	155	82	85
MIN	33	39	50	21	20	46	77	79	79	50	47	51

CAL YR 1983 TOTAL 46496 MEAN 127 MAX 526 MIN 22
WTR YR 1984 TOTAL 46180 MEAN 126 MAX 538 MIN 20

03093000 EAGLE CREEK AT PHALANX STATION, OH

LOCATION.--Lat 41°15'40", long 80°57'16", Trumbull County, Hydrologic Unit 05030103, on right bank 75 ft downstream from county road bridge, 1 mi north of Phalanx Station, 2 mi downstream from Tinkers Creek, and 4 mi upstream from mouth.

DRAINAGE AREA.--97.6 mi^2.

PERIOD OF RECORD.--June 1926 to September 1934, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 953: 1938-41. WSP 1385: 1927-30, 1931-32(M), 1934, 1938-41(P). WSP 1555: 1928(M), 1929. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 887.14 ft National Geodetic Vertical Datum of 1929, (levels by Mahoning Valley Sanitary District). Prior to Sept. 14, 1929, nonrecording gage at same site and datum. Sept. 14, 1929 to Sept. 30, 1977 at same site and datum 0.28 ft higher.

REMARKS.--Records good except those for the winter period, which are fair. Low flow slightly regulated by mill several miles upstream from station. Water-quality data collected at this site 1965 to 1977.

COOPERATION.--No discharge measurements furnished by the Corps of Engineers during this year.

AVERAGE DISCHARGE.--55 years, 111 ft^3/s, 15.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,150 ft^3/s Sept. 15, 1979, gage height, 13.71 ft; minimum daily, 0.9 ft^3/s Aug. 4, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 15	0230	1,330	9.88	May 12	2000	* 2,250	* 11.32
Mar. 21	2330	1,490	10.21				

minimum daily 15 ft^3/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	37	220	49	62	85	360	89	108	32	21	36
2	16	57	130	47	59	80	239	77	87	31	21	26
3	16	167	102	46	102	80	180	69	78	30	38	23
4	15	180	337	46	327	80	163	355	73	28	141	25
5	17	105	1020	46	403	99	324	661	62	56	120	24
6	25	93	577	46	253	273	431	298	72	68	51	22
7	23	71	589	64	153	358	337	180	113	185	35	21
8	18	51	420	55	108	295	244	248	79	84	31	19
9	17	41	251	48	86	266	179	788	56	49	26	19
10	17	35	194	44	96	256	141	514	47	40	25	19
11	18	159	194	41	353	200	115	291	43	36	24	21
12	34	438	509	39	942	149	98	1200	41	34	24	20
13	56	343	909	37	1030	132	90	1070	37	33	24	21
14	57	219	429	36	1060	120	101	523	64	30	24	63
15	49	167	276	35	1050	114	164	390	77	27	23	39
16	34	417	216	35	480	337	158	221	50	26	21	26
17	30	857	146	34	303	985	139	153	43	25	20	23
18	30	808	100	34	303	701	134	121	43	25	19	21
19	37	440	77	34	367	352	140	140	162	29	24	20
20	38	462	67	33	335	373	131	171	110	25	25	19
21	38	396	54	33	242	964	126	703	62	24	21	19
22	37	265	100	33	180	1220	107	573	46	23	19	18
23	99	165	222	33	140	624	180	355	39	22	21	18
24	136	133	173	33	117	391	298	636	37	21	22	17
25	68	110	129	213	104	376	370	285	36	20	19	18
26	50	82	77	288	97	569	247	155	34	19	19	20
27	46	68	57	279	87	436	164	119	32	53	18	23
28	48	233	57	212	85	320	135	141	36	53	18	21
29	43	750	77	135	85	866	117	270	39	30	19	21
30	38	530	84	90	---	832	98	203	35	26	26	20
31	35	---	54	78	---	521	---	141	---	23	81	---
TOTAL	1201	7879	7847	2276	9009	12454	5710	11140	1841	1207	1020	702
MEAN	38.7	263	253	73.4	311	402	190	359	61.4	38.9	32.9	23.4
MAX	136	857	1020	288	1060	1220	431	1200	162	185	141	63
MIN	15	35	54	33	59	80	90	69	32	19	18	17
CFSM	.40	2.70	2.59	.75	3.19	4.12	1.95	3.68	.63	.40	.34	.24
IN.	.46	3.00	2.99	.87	3.43	4.75	2.18	4.25	.70	.46	.39	.27

CAL YR 1983 TOTAL 51525 MEAN 141 MAX 1070 MIN 15 CFSM 1.45 IN 19.64
WTR YR 1984 TOTAL 62286 MEAN 170 MAX 1220 MIN 15 CFSM 1.74 IN 23.74

03094000 MAHONING RIVER AT LEAVITTSBURG, OH

LOCATION.--Lat 41°14'21", long 80°52'51", in T.4 N., R.4 W., Trumbull County, Hydrologic Unit 05030103, on right bank at upstream side of Leavitt Road Bridge at Leavittsburg, 300 ft downstream from Duck Creek and 1.2 mi downstream from Eagle Creek.

DRAINAGE AREA.--575 mi².

PERIOD OF RECORD.--October 1940 to current year. Prior to June 1941 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 871.25 ft National Geodetic Vertical Datum of 1929. Prior to July 2, 1941, nonrecording gage, and July 2, 1941, to July 22, 1952, water-stage recorder, at site 50 ft downstream at same datum.

REMARKS.--Records fair. Flow regulated by Berlin Lake, 25 mi upstream, beginning in 1942, by Milton Reservoir, 17 mi upstream, and by Michael J. Kirwan Reservoir, 20 mi upstream on West Branch, beginning in 1966. Diversion upstream from station from Berlin Lake for part of municipal supply of Mahoning Valley Sanitary District (see station 03090500). Water-quality data collected at this site 1943 to 1971.

COOPERATION.--No discharge measurements furnished by Corps of Engineers this year.

AVERAGE DISCHARGE.--44 years, 582 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft³/s Jan. 22, 1959, gage height, 19.37 ft; minimum daily, 60 ft³/s July 6, 1952.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913 reached a stage of about 24 ft. Flood of Jan. 25 or 26, 1937 reached a stage of 17.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,850 ft³/s Mar. 22, gage height 9.84 ft; minimum daily, 140 ft³/s Jan. 19-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	397	1300	495	200	200	2160	492	757	329	304	344
2	258	407	1140	494	210	190	1840	471	533	325	307	307
3	258	485	1040	494	310	190	1710	477	371	314	381	307
4	540	578	1550	503	653	180	1680	932	338	325	499	314
5	637	683	2840	508	664	355	1930	1300	321	355	423	300
6	637	714	2150	515	498	681	2130	884	441	396	329	299
7	636	740	1910	504	361	856	2030	672	469	483	289	296
8	628	610	1650	431	292	632	1820	879	371	419	265	286
9	620	500	1610	398	262	543	1590	2130	315	362	254	304
10	615	620	1590	275	288	468	1600	1860	294	370	251	333
11	598	960	1580	230	738	399	1020	1410	279	344	248	336
12	316	1400	2150	200	1510	340	589	2720	297	314	275	333
13	262	1300	3010	180	1780	336	522	3200	300	304	282	344
14	370	850	2260	170	2310	328	432	2330	336	300	286	396
15	380	800	1850	160	2230	375	496	2020	352	296	286	377
16	358	1100	1730	150	1460	1140	492	1720	310	293	286	340
17	344	1600	1590	150	1130	2420	589	1620	303	289	282	322
18	340	1800	1500	150	1160	2020	568	1200	329	296	286	310
19	343	1400	1440	140	1230	1400	517	989	730	293	307	311
20	340	1100	1390	140	1130	1660	435	1030	624	289	296	314
21	339	950	1330	140	904	2860	395	1950	362	282	286	314
22	342	850	1350	140	434	3620	351	2100	311	282	286	314
23	444	750	1180	140	343	2710	478	2020	318	279	296	311
24	567	700	700	210	303	2220	866	2620	322	300	286	300
25	456	650	600	605	279	2150	1180	2140	311	300	282	300
26	431	600	550	606	258	2360	734	1820	307	300	279	307
27	418	550	500	425	244	2180	630	1730	304	381	279	307
28	409	1200	480	312	209	1960	580	1630	293	355	275	307
29	398	1900	560	257	203	3160	543	1850	336	300	282	344
30	391	1500	546	230	---	3070	513	1480	333	279	314	377
31	389	---	511	210	---	2540	---	1050	---	300	370	---
TOTAL	13322	27694	43587	9562	21593	43543	30570	48726	11267	10054	9371	9642
MEAN	430	923	1406	308	745	1405	1019	1572	376	324	302	321
MAX	637	1900	3010	606	2310	3620	2160	3200	757	483	499	396
MIN	258	397	480	140	200	180	351	471	279	279	248	286

CAL YR 1983 TOTAL 257227 MEAN 705 MAX 3220 MIN 131
WTR YR 1984 TOTAL 278931 MEAN 762 MAX 3620 MIN 140

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03095500 MOSQUITO CREEK BELOW MOSQUITO CREEK DAM, NEAR CORTLAND, OH

LOCATION.--Lat 41°17'59", long 80°45'31", in T.5 N., R.3 W., Trumbull County, Hydrologic Unit 05030103, on right bank 100 ft downstream from Mosquito Creek Dam, 0.8 mi upstream from Confusion Run, and 2.5 mi southwest of Cortland.

DRAINAGE AREA.--97.5 mi².

PERIOD OF RECORD.--May 1926 to September 1929 (published as "near Cortland"), May 1943 to current year.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 873.98 ft Corps of Engineers bench mark. Prior to Aug. 23, 1943, nonrecording gage, and Aug. 23, 1943 to Feb. 14, 1951, water-stage recorder, at site 900 ft downstream at datum 6.63 ft lower.

REMARKS.--Records fair. Flow completely regulated by Mosquito Creek Lake beginning 1943. Diversion at lake outlet for municipal supply of city of Warren since May 1954; diversion not included in figures of daily discharge. Water-quality data collected at this site 1965 to 1977.

COOPERATION.--Two discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--44 years, 88.3 ft³/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft³/s Jan. 19, 1929, gage height, 11.5 ft, from floodmark, site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 606 ft³/s Mar. 24, gage height, 3.49 ft, minimum daily 13 ft³/s Jan. 25 to Feb. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	22	83	297	13	47	503	16	187	98	115	18
2	23	21	83	295	13	82	498	16	184	96	115	18
3	23	21	83	294	13	82	504	16	187	96	113	18
4	21	22	83	292	13	82	523	16	137	96	105	19
5	22	22	83	292	13	81	534	16	96	96	100	102
6	23	22	83	291	13	82	458	16	98	86	96	281
7	22	22	83	291	13	82	371	16	80	96	100	307
8	22	22	141	290	13	82	371	16	59	96	100	242
9	23	22	176	227	13	82	249	17	59	86	98	242
10	22	22	176	123	13	82	126	17	61	96	96	239
11	19	22	175	79	13	82	80	17	62	90	93	239
12	16	22	176	79	14	82	82	52	61	96	96	317
13	16	22	176	45	14	82	50	87	59	85	96	352
14	17	19	204	14	14	82	16	150	58	95	91	355
15	17	16	316	14	15	82	16	187	55	95	93	351
16	17	16	316	14	15	82	16	187	53	93	91	348
17	17	16	313	14	15	82	15	187	53	102	93	344
18	18	16	313	14	15	82	16	187	52	121	98	337
19	17	16	311	14	15	139	15	189	52	121	104	334
20	17	16	310	14	15	174	16	190	33	119	107	327
21	17	49	309	14	15	176	16	293	23	119	109	317
22	17	82	307	14	15	250	17	398	23	119	111	307
23	17	82	307	14	15	466	16	467	23	119	111	303
24	49	82	307	14	15	570	16	541	23	117	113	300
25	80	82	304	13	15	521	16	545	23	115	117	297
26	51	82	303	13	15	508	16	525	23	115	115	307
27	23	82	302	13	15	502	15	521	23	113	113	307
28	22	82	301	13	16	464	16	513	53	105	113	300
29	21	83	300	13	15	322	16	444	88	107	115	297
30	21	83	300	13	---	323	16	384	88	109	115	294
31	22	---	298	13	---	513	---	278	---	111	55	---
TOTAL	731	1188	7062	3140	411	5398	4522	6504	2075	3078	3187	7829
MEAN	23.6	39.6	228	101	14.2	206	154	210	69.2	99.3	103	261
MAX	80	83	316	297	16	570	534	545	187	121	117	352
MIN	16	16	83	13	13	47	16	16	23	80	55	18
(+)	24.9	25.7	25.8	26.3	25.5	25.3	24.2	24.9	27.1	26.4	26.1	24.4

CAL YR 1983 TOTAL 31633.0 MEAN 86.7 MAX 760 MIN 6.8 (+) 24.7
WTR YR 1984 TOTAL 46245.0 MEAN 126 MAX 570 MIN 13 (+) 25.5

(+) Diversion in cubic feet per second, furnished by City of Warren.

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03099500 MAHONING RIVER AT LOWELLVILLE, OH

LOCATION.--Lat 41°02'12", long 80°32'11", in T.1 N., R.1 W., Mahoning County, Hydrologic Unit 05030103, on left bank 100 ft upstream from First Street Bridge at Lowellville, 1 mi upstream from Ohio-Pennsylvania State line, and 3 mi downstream from Yellow Creek.

DRAINAGE AREA.--1,073 mi².

PERIOD OF RECORD.--October 1942 to current year. Prior to August 1943 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1555: 1946(M), 1952(M), 1955(M), 1956. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 796.84 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 26, 1944, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Records fair except those for periods of missing or questionable record, Feb. 7 to Mar. 6, May 31 to June 27, and Sept 8-30, which are poor. Flow regulated by 5 flood control reservoirs at points 21 mi to 58 mi upstream and by reservoirs on Squaw Creek, 15 mi upstream, on Dry Run, 9 mi upstream, and on Yellow Creek, 5 mi upstream. Water-quality data collected at this site 1949 to 1973.

AVERAGE DISCHARGE.--42 years, 1,113 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 21,000 ft³/s Jan. 21, 1959, gage height, 14.43 ft; minimum daily, 155 ft³/s Feb. 5, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 17.8 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,720 ft³/s Mar. 29, gage height, 7.93 ft; minimum daily, 323 ft³/s Jan. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	670	2130	1030	424	573	4080	817	1530	518	579	840
2	457	727	1930	1020	437	538	3490	743	972	525	787	593
3	457	1140	1700	1020	686	552	3110	803	779	545	2040	652
4	662	1090	3760	1030	1160	566	3010	1390	795	652	1630	702
5	1040	1160	4450	1060	1210	491	3500	1980	1730	955	1050	615
6	922	1240	4100	1070	946	518	3970	1600	1260	1050	805	662
7	889	1170	3320	1070	754	1940	4120	1140	814	963	694	736
8	864	1110	2850	1020	552	1590	3450	1550	639	797	623	770
9	856	1020	2350	938	518	1060	2950	3290	573	670	623	790
10	848	1020	2370	897	1010	1020	2520	3270	532	1650	718	800
11	848	1800	2370	647	2580	884	2060	2390	504	1090	856	850
12	1260	2480	5260	504	3200	742	1260	4200	504	848	814	850
13	814	2220	5010	518	3900	993	969	4860	718	686	744	1000
14	770	1740	4210	484	4900	1420	1090	4150	623	593	678	1600
15	686	1570	3400	386	3700	893	1170	3350	559	545	631	1200
16	639	1980	3100	357	2700	3550	1260	2710	670	532	608	800
17	593	2960	2760	375	2150	4900	1590	2420	2040	511	593	700
18	662	3110	2500	375	2220	4320	1450	2080	2800	736	593	650
19	727	2650	2320	363	2300	3070	1280	1930	1930	600	1350	640
20	678	2160	2160	340	2240	2840	1120	1920	955	566	670	640
21	639	2180	2070	334	2010	4650	943	3630	676	539	608	690
22	639	1870	2470	323	1730	6410	822	3710	579	539	631	700
23	1360	1740	2190	329	1430	5320	924	4040	566	539	686	690
24	1180	1620	1660	796	980	3870	1920	5010	484	532	631	660
25	1060	1330	1070	1210	814	3810	2550	4180	504	552	608	640
26	930	963	1030	1330	744	3910	1830	3306	463	552	593	620
27	914	822	1070	1230	694	3790	1270	2920	495	1070	586	620
28	814	2220	1380	881	647	3850	1050	3710	495	797	600	620
29	727	3260	1470	686	616	6850	934	4000	511	631	1340	700
30	686	2860	1230	545	---	6650	903	3360	539	559	1360	1000
31	662	---	1090	470	---	4790	---	2100	---	559	1490	---
TOTAL	24747	51802	78780	22638	47252	86360	60595	87353	26246	21881	26219	23030
MEAN	798	1727	2541	730	1629	2786	2020	2818	875	706	846	768
MAX	1360	3260	5260	1330	4900	6850	4120	5010	2800	1650	2040	1600
MIN	457	670	1030	323	424	491	822	743	463	511	579	593

CAL YR 1983 TOTAL 495424 MEAN 1357 MAX 6920 MIN 311
WTR YR 1984 TOTAL 556903 MEAN 1522 MAX 6850 MIN 323

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03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH

LOCATION.--Lat 41°01'53", long 80°31'10", Mahoning County, Hydrologic Unit 05030103, on left bank 800 ft upstream from Ohio-Pennsylvania State line, just below Lowellville, 0.9 mi downstream from gaging station at Lowellville, and 3.9 mi downstream from Yellow Creek.

DRAINAGE AREA.--1,075 mi^2.

PERIOD OF RECORD.--January 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1967 to current year.
pH: January 1967 to current year.
WATER TEMPERATURES: January 1967 to current year.
DISSOLVED OXYGEN: January 1967 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument. See records of daily discharge for gaging station at Lowellville (station 03099500).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,640 micromhos Feb. 22, 1979; minimum, 204 micromhos July 13, 1976.
pH: Maximum, 9.9 units Jan. 26, 1969; minimum, 3.0 units Jan. 24, 1967.
WATER TEMPERATURES: Maximum, 39.0°C June 29, 1971; minimum, 0.0°C Dec. 25, 1983
DISSOLVED OXYGEN: Maximum, 14.2 mg/L Mar. 25, 1970; minimum, 0.0 mg/L June 1, 1975, June 17, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,230 micromhos Jan. 26; minimum, 252 micromhos May 13.
pH: Maximum recorded, 8.4 units Dec. 23; minimum recorded, 7.0 units Feb. 9, 10, 26, Apr. 24.
WATER TEMPERATURES: Maximum, 29.5°C Aug. 10; minimum, 0.0°C Dec. 25.
DISSOLVED OXYGEN: Maximum recorded, 13.9 mg/L Mar. 9; minimum recorded, 3.1 mg/L Oct. 3, 4.

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	612	596	606	604	592	597	390	382	386	546	522	532
2	608	600	603	604	584	593	498	384	427	574	522	540
3	600	588	593	572	516	547	540	502	524	562	524	539
4	600	512	578	572	556	566	538	434	482	554	522	531
5	548	500	527	576	560	572	448	386	422	568	520	535
6	520	504	513	576	564	570	382	350	359	560	528	539
7	524	508	517	---	---	---	434	368	401	538	520	527
8	532	524	529	---	---	---	456	434	443	532	510	520
9	532	512	520	590	564	572	500	440	461	526	510	518
10	532	512	519	578	566	547	508	490	502	550	518	531
11	528	516	522	560	502	533	508	500	504	562	542	550
12	520	444	495	554	518	542	502	438	455	590	564	576
13	---	---	---	550	522	536	436	386	412	628	594	609
14	---	---	---	540	522	528	410	374	387	700	632	680
15	---	---	---	556	536	544	444	414	430	700	660	684
16	---	---	---	540	526	536	452	442	446	678	662	672
17	---	---	---	526	500	517	450	442	445	714	670	696
18	---	---	---	496	442	462	452	442	446	728	712	720
19	---	---	---	442	420	428	458	452	453	---	---	---
20	---	---	---	476	434	453	460	450	454	---	---	---
21	---	---	---	488	474	480	470	454	460	---	---	---
22	---	---	---	498	482	488	658	470	541	---	---	---
23	---	---	---	506	492	499	560	480	497	---	---	---
24	556	536	540	512	498	505	500	474	484	---	---	---
25	580	544	565	540	508	518	510	500	504	1110	844	953
26	584	572	578	554	536	541	516	502	508	1230	774	999
27	---	---	---	556	542	548	508	490	497	770	746	758
28	---	---	---	546	426	494	1130	488	630	632	608	617
29	---	---	---	482	450	466	812	648	685	606	590	596
30	---	---	---	446	388	414	770	566	620	608	592	600
31	---	---	---	---	---	---	562	532	545	662	608	635
MONTH	612	444	547	604	388	521	1130	350	478	1230	510	627

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	850	630	639	650	606	636	394	388	391	550	534	539
2	728	632	677	606	536	565	416	394	404	564	542	550
3	998	736	823	610	562	582	426	416	420	564	544	558
4	784	703	738	626	598	612	436	422	427	552	524	540
5	718	592	629	728	594	639	440	426	437	524	464	493
6	592	572	581	692	636	659	436	422	428	462	426	435
7	580	552	569	658	590	617	428	420	424	476	416	443
8	602	560	580	600	560	577	428	422	424	480	458	468
9	610	586	596	650	564	584	430	414	422	482	400	442
10	654	614	639	648	580	596	420	412	416	398	330	360
11	680	622	652	620	582	596	448	416	428	360	334	354
12	622	498	527	624	590	605	490	448	467	362	308	338
13	458	404	420	656	614	623	512	490	501	300	252	275
14	434	408	422	616	568	591	516	448	495	332	264	307
15	392	380	386	704	626	660	530	486	513	388	334	368
16	402	380	392	708	582	643	558	520	545	400	386	396
17	492	402	433	578	402	462	548	530	538	422	406	413
18	528	498	514	400	354	367	546	526	538	436	414	422
19	528	520	523	422	364	381	554	536	544	442	420	432
20	522	460	492	454	428	439	556	546	550	454	400	441
21	472	456	462	456	438	447	564	550	555	414	386	405
22	498	462	473	432	370	393	574	562	568	384	350	366
23	540	500	517	432	368	394	604	558	574	390	320	356
24	552	540	545	438	424	432	602	522	567	392	366	378
25	596	544	556	440	438	439	522	470	491	374	350	366
26	620	584	601	440	420	428	472	456	461	392	376	385
27	644	604	613	420	400	407	478	446	463	394	390	392
28	662	612	634	418	398	410	472	452	460	392	382	388
29	636	622	628	434	418	426	474	460	466	396	386	391
30	---	---	---	408	354	368	530	468	491	390	384	387
31	---	---	---	392	364	377	---	---	---	424	390	404
MONTH	998	380	598	728	354	515	604	388	480	564	252	412

BEST COPY AVAILABLE

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	436	422	427	590	552	568	530	510	518	510	472	482
2	478	438	458	556	540	549	538	460	518	530	512	517
3	502	470	479	556	534	545	504	282	413	548	510	537
4	518	494	502	546	528	539	486	406	464	530	488	510
5	528	510	513	542	414	497	510	472	492	538	526	532
6	534	434	500	548	448	522	520	500	507	580	528	544
7	468	328	393	506	454	489	540	514	527	590	548	566
8	438	394	415	506	474	493	548	530	539	552	486	508
9	470	432	444	526	504	510	548	522	540	492	456	467
10	514	472	498	534	354	462	562	504	545	470	438	457
11	578	516	537	476	438	463	552	530	539	474	455	465
12	604	588	593	490	458	473	548	536	542	478	460	468
13	610	584	594	516	476	499	548	528	536	478	464	470
14	586	472	542	532	506	523	550	528	535	456	404	442
15	574	564	568	540	518	530	546	526	537	462	424	442
16	580	558	567	544	426	520	554	524	535	446	436	441
17	570	500	545	556	404	529	540	520	528	450	434	440
18	552	354	502	546	448	494	540	510	526	454	430	442
19	486	424	446	534	522	528	504	344	438	458	436	444
20	456	434	446	532	496	509	518	478	496	454	436	443
21	512	456	474	526	510	516	524	500	509	450	438	[illegible]
22	556	520	538	526	498	512	532	516	526	450	434	442
23	564	546	554	522	504	508	530	502	511	446	424	432
24	556	542	550	530	504	517	530	510	518	434	418	428
25	582	560	569	520	498	500	532	522	524	440	420	428
26	598	580	587	522	496	506	534	516	524	438	412	424
27	596	580	590	512	412	473	526	514	519	444	432	438
28	608	562	583	508	474	491	534	508	519	440	418	430
29	594	576	583	516	478	495	526	306	462	440	432	436
30	594	574	586	530	512	518	486	400	460	440	418	425
31	---	---	---	532	514	523	498	478	485	---	---	---
MONTH	610	328	519	590	354	510	562	282	511	590	404	465
YEAR	1230	252	508									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	7.2	7.2	7.3	7.2	7.3	7.6	7.5	7.5	7.8	7.7	7.7
2	7.4	7.1	7.3	7.3	7.2	7.3	7.7	7.5	7.6	7.7	7.7	7.7
3	7.3	7.2	7.2	7.3	7.2	7.3	7.8	7.6	7.7	7.7	7.4	7.6
4	7.3	7.2	7.2	7.3	7.3	7.3	7.8	7.6	7.7	7.7	7.5	7.6
5	7.2	7.1	7.2	7.4	7.3	7.3	7.8	7.6	7.7	7.6	7.5	7.5
6	7.3	7.2	7.3	7.4	7.4	7.4	7.6	7.3	7.5	7.5	7.3	7.5
7	7.4	7.2	7.3	---	---	---	7.6	7.5	7.5	7.8	7.4	7.6
8	7.4	7.2	7.3	---	---	---	7.6	7.5	7.6	7.6	7.6	7.6
9	7.3	7.1	7.2	7.6	7.4	7.4	7.6	7.5	7.6	7.6	7.4	7.5
10	7.4	7.3	7.3	7.4	7.3	7.3	7.8	7.6	7.7	7.5	7.3	7.5
11	7.3	7.1	7.3	7.5	7.2	7.4	7.8	7.7	7.8	7.5	7.4	7.4
12	7.3	7.1	7.2	7.9	7.5	7.6	7.8	7.7	7.8	7.5	7.3	7.4
13	---	---	---	7.8	7.5	7.6	7.7	7.6	7.6	7.5	7.4	7.5
14	---	---	---	7.7	7.5	7.6	7.6	7.5	7.6	7.9	7.4	7.5
15	---	---	---	7.6	7.5	7.6	7.7	7.5	7.6	7.5	7.4	7.4
16	---	---	---	7.6	7.5	7.6	7.7	7.6	7.7	7.5	7.2	7.4
17	---	---	---	7.7	7.4	7.6	7.8	7.6	7.7	7.6	7.5	7.5
18	---	---	---	7.7	7.5	7.6	7.7	7.7	7.7	7.6	7.4	7.5
19	---	---	---	7.6	7.4	7.6	7.7	7.6	7.7	7.6	7.6	7.6
20	---	---	---	7.6	7.5	7.6	7.7	7.6	7.7	---	---	---
21	---	---	---	7.7	7.6	7.6	7.7	7.6	7.6	---	---	---
22	---	---	---	7.7	7.4	7.6	7.7	7.5	7.6	---	---	---
23	---	---	---	7.6	7.4	7.6	8.4	7.6	7.7	---	---	---
24	7.4	7.3	7.4	7.6	7.5	7.6	7.7	7.5	7.7	---	---	---
25	7.3	7.3	7.3	7.7	7.5	7.6	7.7	7.7	7.7	7.4	7.3	7.4
26	7.4	7.3	7.3	7.7	7.5	7.6	7.8	7.7	7.7	7.6	7.4	7.5
27	7.3	7.3	7.3	7.7	7.6	7.6	7.8	7.6	7.7	7.6	7.3	7.5
28	---	---	---	7.7	7.5	7.6	7.9	7.3	7.6	8.2	7.2	7.5
29	---	---	---	7.7	7.5	7.6	7.7	7.6	7.7	7.4	7.4	7.4
30	---	---	---	7.6	7.5	7.6	8.2	7.5	7.7	7.4	7.1	7.3
31	---	---	---	---	---	---	7.9	7.5	7.7	7.4	7.3	7.3
MONTH	7.4	7.1	7.3	7.9	7.2	7.5	8.4	7.3	7.7	8.2	7.1	7.5

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.0	7.2	7.6	7.3	7.5	7.6	7.5	7.6	7.6	7.5	7.6
2	7.3	7.2	7.3	8.1	7.3	7.7	7.6	7.5	7.6	7.6	7.5	7.6
3	7.4	7.1	7.3	7.8	7.5	7.7	7.6	7.5	7.6	7.7	7.5	7.6
4	7.7	7.3	7.4	7.7	7.6	7.6	7.6	7.5	7.6	7.8	7.6	7.6
5	7.5	7.4	7.4	7.8	7.5	7.6	7.6	7.5	7.6	7.9	7.6	7.7
6	7.5	7.3	7.4	7.8	7.5	7.7	7.6	7.4	7.5	7.9	7.6	7.7
7	7.5	7.3	7.4	7.8	7.7	7.8	7.7	7.4	7.5	7.8	7.5	7.6
8	7.4	7.3	7.4	8.0	7.7	7.8	7.6	7.5	7.6	7.7	7.5	7.6
9	7.4	7.0	7.2	7.9	7.6	7.8	8.2	7.5	7.6	7.7	7.6	7.7
10	7.2	7.0	7.2	8.0	7.6	7.8	7.6	7.3	7.5	7.7	7.6	7.7
11	7.4	7.1	7.3	7.8	7.7	7.7	7.7	7.5	7.6	7.7	7.6	7.7
12	7.6	7.4	7.5	7.8	7.5	7.7	7.7	7.5	7.6	7.8	7.6	7.7
13	7.5	7.4	7.4	7.8	7.6	7.7	7.5	7.2	7.4	7.6	7.5	7.6
14	7.8	7.4	7.6	7.9	7.6	7.8	7.6	7.4	7.4	7.7	7.6	7.7
15	7.8	7.4	7.5	7.9	7.6	7.8	7.6	7.4	7.5	7.7	7.7	7.7
16	7.4	7.3	7.4	7.8	7.4	7.7	7.5	7.3	7.4	7.7	7.6	7.7
17	7.5	7.3	7.4	7.9	7.7	7.8	7.5	7.4	7.4	7.8	7.5	7.7
18	7.7	7.3	7.5	7.7	7.6	7.6	7.4	7.3	7.4	7.8	7.7	7.7
19	7.6	7.5	7.5	7.7	7.5	7.6	7.4	7.3	7.4	7.7	7.6	7.7
20	7.5	7.2	7.5	7.7	7.6	7.7	7.5	7.2	7.4	7.7	7.7	7.7
21	7.6	7.5	7.5	7.8	7.6	7.7	7.4	7.2	7.4	7.7	7.7	7.7
22	7.6	7.5	7.5	7.7	7.6	7.7	7.4	7.1	7.3	7.7	7.6	7.7
23	7.6	7.4	7.6	7.8	7.6	7.6	7.4	7.1	7.3	7.8	7.6	7.7
24	7.6	7.5	7.6	7.7	7.6	7.7	7.9	7.0	7.6	7.8	7.7	7.7
25	7.6	7.4	7.5	7.8	7.7	7.7	7.8	7.7	7.8	7.7	7.5	7.7
26	7.5	7.0	7.4	7.8	7.6	7.7	7.8	7.7	7.8	7.8	7.7	7.7
27	7.5	7.3	7.4	7.8	7.8	7.8	7.7	7.6	7.7	7.8	7.7	7.7
28	7.5	7.4	7.4	7.5	7.5	7.5	7.7	7.6	7.6	7.8	7.7	7.7
29	7.6	7.4	7.5	7.7	7.4	7.6	7.7	7.5	7.6	7.7	7.6	7.7
30	---	---	---	7.6	7.5	7.5	7.7	7.6	7.6	7.7	7.7	7.7
31	---	---	---	7.6	7.5	7.5	---	---	---	7.7	7.7	7.7
MONTH	7.8	7.0	7.4	8.1	7.3	7.7	8.2	7.0	7.5	7.9	7.5	7.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	7.7	7.7	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3
2	8.2	7.6	7.7	7.6	7.6	7.6	7.3	7.2	7.3	7.3	7.3	7.3
3	7.7	7.6	7.6	7.7	7.6	7.6	7.4	7.3	7.3	7.3	7.3	7.3
4	7.6	7.5	7.6	7.7	7.6	7.6	7.5	7.3	7.4	7.3	7.3	7.3
5	7.7	7.6	7.6	7.7	7.6	7.6	7.4	7.3	7.4	7.3	7.3	7.3
6	7.6	7.4	7.5	7.7	7.6	7.6	7.4	7.3	7.3	7.3	7.2	7.3
7	7.5	7.4	7.4	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.1	7.2
8	7.5	7.4	7.4	7.7	7.6	7.6	7.4	7.3	7.3	7.3	7.2	7.3
9	7.6	7.4	7.4	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.2	7.3
10	7.5	7.4	7.4	7.7	7.6	7.6	7.6	7.3	7.4	7.3	7.2	7.2
11	7.5	7.4	7.5	7.7	7.6	7.6	7.5	7.3	7.4	7.3	7.2	7.2
12	7.6	7.4	7.4	7.7	7.6	7.7	7.4	7.3	7.4	7.3	7.2	7.2
13	7.5	7.4	7.4	7.6	7.5	7.6	7.4	7.3	7.4	7.3	7.2	7.2
14	7.5	7.3	7.4	7.7	7.6	7.6	7.4	7.3	7.3	7.4	7.2	7.3
15	7.5	7.4	7.4	7.7	7.6	7.6	7.4	7.3	7.3	7.3	7.2	7.3
16	7.5	7.3	7.4	7.7	7.6	7.6	7.5	7.3	7.3	7.3	7.2	7.3
17	7.4	7.4	7.4	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.2	7.3
18	8.0	7.4	7.5	7.7	7.6	7.6	7.5	7.2	7.4	7.3	7.2	7.2
19	7.6	7.5	7.5	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.2	7.2
20	7.6	7.5	7.5	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3
21	7.6	7.5	7.5	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3
22	7.5	7.3	7.4	7.5	7.3	7.4	7.5	7.3	7.3	7.4	7.2	7.2
23	7.8	7.4	7.5	7.4	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
24	7.4	7.4	7.4	7.4	7.2	7.3	7.4	7.2	7.3	7.2	7.2	7.2
25	7.4	7.3	7.4	7.5	7.3	7.3	7.4	7.2	7.3	7.2	7.2	7.2
26	7.5	7.4	7.4	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.2
27	7.4	7.3	7.4	7.4	7.2	7.3	7.3	7.2	7.3	7.3	7.2	7.3
28	7.4	7.3	7.4	7.4	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.3
29	7.4	7.4	7.4	7.4	7.3	7.3	7.4	7.2	7.3	7.4	7.3	7.3
30	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
31	---	---	---	7.4	7.3	7.3	7.4	7.3	7.3	---	---	---
MONTH	8.2	7.3	7.5	7.7	7.2	7.5	7.6	7.2	7.3	7.4	7.1	7.3
YEAR	8.4	7.0	7.5									

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	22.5	23.0	16.0	15.5	16.0	7.0	6.5	7.0	3.5	2.0	2.5
2	22.5	21.5	22.0	17.0	16.0	16.5	6.5	5.5	6.0	5.0	3.5	4.5
3	23.5	22.0	23.0	17.0	15.5	16.5	6.0	5.5	6.0	5.0	4.5	5.0
4	23.5	22.5	23.0	15.5	14.5	14.5	5.5	5.0	5.5	5.5	4.5	5.0
5	24.0	21.5	23.0	14.5	13.5	14.0	5.5	5.0	5.0	5.5	5.5	5.5
6	22.0	21.0	21.5	13.5	13.5	13.5	6.0	5.0	5.5	5.5	4.5	5.0
7	22.0	20.5	21.0	---	---	---	5.5	5.5	5.5	4.0	3.5	4.0
8	22.0	20.0	21.0	---	---	---	5.5	4.5	5.0	4.5	3.0	3.5
9	21.0	19.5	20.5	14.5	14.0	14.0	5.0	4.5	4.5	4.5	4.0	4.0
10	19.5	18.0	19.0	14.5	14.0	14.5	5.0	4.5	5.0	4.5	4.0	4.5
11	20.5	19.0	19.5	14.5	12.0	14.0	5.5	5.0	5.0	4.0	3.0	3.5
12	20.0	19.5	20.0	12.0	10.0	11.0	5.5	5.5	5.5	3.5	3.0	3.5
13	---	---	---	10.0	9.0	9.5	5.5	5.5	5.5	5.5	3.5	4.5
14	---	---	---	8.5	7.5	8.5	6.0	5.5	6.0	6.5	5.5	6.0
15	---	---	---	8.5	7.5	8.0	6.0	5.5	6.0	5.5	4.0	5.0
16	---	---	---	9.0	8.0	8.5	5.5	4.5	5.5	5.0	4.0	4.5
17	---	---	---	8.5	7.5	8.0	4.5	3.5	4.0	5.0	4.0	4.5
18	---	---	---	7.0	6.5	7.0	4.0	3.5	3.5	4.5	4.5	4.5
19	---	---	---	7.5	7.0	7.0	3.5	3.0	3.0	---	---	---
20	---	---	---	9.0	7.5	8.5	3.0	2.5	2.5	---	---	---
21	---	---	---	10.0	9.0	9.5	2.5	2.0	2.0	---	---	---
22	---	---	---	10.5	9.0	10.0	3.0	2.5	3.0	---	---	---
23	---	---	---	11.0	10.0	10.5	2.5	1.5	2.0	---	---	---
24	16.5	16.5	16.5	11.0	9.5	10.5	2.0	.5	1.0	---	---	---
25	17.0	16.5	16.5	9.5	8.0	9.0	.5	.0	.5	7.5	6.5	7.0
26	16.5	15.5	16.0	8.5	8.0	8.0	2.0	.5	1.0	6.5	5.0	5.5
27	---	---	---	8.0	7.5	8.0	3.5	2.0	2.5	5.0	4.0	4.5
28	---	---	---	11.0	8.0	9.5	4.0	3.0	3.5	4.5	3.5	4.0
29	---	---	---	10.0	8.5	9.0	3.5	2.5	3.0	5.0	4.5	4.5
30	---	---	---	8.5	7.0	8.0	2.5	2.0	2.5	5.0	4.5	5.0
31	---	---	---	---	---	---	2.0	1.0	1.5	5.0	4.5	5.0
MONTH	24.0	15.5	20.5	17.0	6.5	11.0	7.0	.0	4.0	7.5	2.0	4.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	4.5	5.0	6.5	4.5	5.5	6.5	4.5	5.5	18.0	16.5	17.0
2	5.5	4.5	5.0	8.0	4.5	6.0	7.0	6.0	6.5	18.0	16.0	17.0
3	6.0	5.5	5.5	5.0	3.5	4.5	7.5	6.5	7.0	16.5	15.0	15.5
4	6.0	5.0	5.5	5.0	3.5	4.5	8.5	7.5	8.0	15.5	14.5	15.0
5	5.0	4.0	4.5	5.5	5.0	5.0	9.0	8.5	8.5	15.0	12.5	13.5
6	4.0	3.5	3.5	4.5	4.0	4.0	8.5	7.5	8.0	14.0	12.0	13.0
7	3.5	2.5	3.0	4.0	3.0	3.5	7.5	7.0	7.0	14.5	13.0	13.5
8	3.5	2.5	3.0	3.0	2.0	2.5	7.5	6.5	7.0	15.0	13.0	14.0
9	5.5	3.0	4.0	3.0	1.0	2.0	9.0	7.5	8.5	13.0	12.0	12.5
10	7.5	5.5	6.5	3.5	2.0	3.0	10.5	8.5	9.5	12.5	11.0	12.0
11	8.0	7.0	7.5	4.0	2.5	3.0	11.0	9.0	10.0	14.0	12.5	13.0
12	6.5	4.0	5.0	4.0	2.5	3.5	13.0	10.0	11.5	15.5	14.0	15.0
13	4.0	3.5	3.5	4.5	3.5	4.0	14.5	12.5	13.5	15.5	15.0	15.0
14	4.0	3.5	3.5	5.0	3.5	4.0	14.0	13.5	14.0	14.5	14.0	14.0
15	4.0	3.5	3.5	6.0	4.0	5.0	13.5	12.5	13.0	14.0	13.5	13.5
16	5.0	3.5	4.5	5.5	3.0	4.5	14.0	13.0	13.5	14.0	13.0	13.5
17	6.0	5.0	5.5	3.0	2.0	2.5	13.5	12.0	13.0	14.5	13.0	13.5
18	6.5	6.5	6.5	2.5	2.0	2.0	12.0	11.5	12.0	14.5	13.5	14.0
19	7.5	6.5	7.0	3.5	2.0	2.5	12.0	11.5	11.5	16.0	14.0	15.0
20	7.0	6.0	6.5	5.5	3.0	4.0	12.0	11.0	11.5	16.0	15.5	15.5
21	6.5	6.0	6.0	5.5	5.0	5.5	12.5	10.5	11.5	16.0	15.0	15.5
22	7.0	5.5	6.5	5.0	3.5	4.0	11.5	10.5	11.0	17.5	15.5	16.5
23	8.0	6.0	7.0	3.5	3.0	3.5	12.0	11.0	11.5	18.0	17.5	17.5
24	8.5	7.0	8.0	4.0	3.0	3.5	11.0	10.0	10.5	18.5	17.5	18.0
25	8.5	7.0	7.5	5.0	4.0	4.5	11.0	9.5	10.5	18.5	17.5	18.0
26	9.0	7.5	8.0	6.5	5.0	6.0	13.0	10.5	11.5	18.5	18.0	18.5
27	8.0	6.5	7.5	6.5	6.0	6.0	14.5	12.5	13.5	19.0	18.0	18.5
28	6.5	5.0	6.0	6.5	5.5	6.0	17.0	14.5	16.0	18.5	16.5	17.5
29	5.5	5.0	5.5	5.5	4.0	5.0	18.5	16.0	17.5	16.5	15.5	16.0
30	---	---	---	4.0	3.5	3.5	19.5	17.5	18.5	15.5	15.0	15.5
31	---	---	---	5.0	3.5	4.5	---	---	---	17.0	15.0	15.5
MONTH	9.0	2.5	5.5	8.0	1.0	4.0	19.5	4.5	11.0	19.0	11.0	15.0

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	16.0	17.0	26.5	25.5	26.0	28.0	25.5	26.5	23.5	22.5	23.0
2	20.0	17.0	18.5	26.0	24.5	25.0	28.0	27.0	27.5	24.0	22.5	23.5
3	21.5	19.5	20.5	27.5	24.5	26.0	26.5	23.5	25.5	24.0	23.5	23.5
4	22.5	19.5	21.0	26.5	25.0	25.5	25.5	23.5	24.5	24.5	23.5	24.0
5	24.0	21.0	22.5	25.0	23.0	24.5	25.0	24.0	24.5	23.5	22.5	23.0
6	24.5	22.0	23.5	24.5	23.5	24.0	25.5	24.0	24.5	23.0	21.5	22.5
7	24.5	22.5	23.5	24.0	23.0	23.5	27.0	25.5	26.5	23.5	21.5	22.5
8	25.0	22.5	23.5	24.0	22.0	23.0	27.5	26.5	27.0	24.0	22.0	23.0
9	26.0	23.5	25.0	23.5	22.0	22.5	28.5	27.0	27.5	24.0	22.5	23.0
10	27.0	24.5	26.0	23.5	21.5	22.5	29.5	27.0	28.0	23.5	23.0	23.0
11	28.0	26.0	27.0	24.0	22.5	23.5	27.0	24.5	26.0	24.5	23.0	24.0
12	28.0	25.0	26.5	25.5	23.0	24.0	24.5	24.0	24.0	25.0	23.5	24.5
13	28.0	26.5	27.0	26.5	24.0	25.5	25.0	23.5	24.0	25.5	23.5	24.5
14	27.0	25.0	26.5	28.0	25.5	26.5	26.5	24.0	25.0	25.0	22.5	23.5
15	26.5	25.0	26.0	27.5	25.5	26.5	28.0	26.0	27.0	22.5	21.5	22.0
16	25.5	24.0	25.0	27.5	25.5	26.5	28.5	26.0	27.0	22.0	21.0	21.5
17	25.0	23.5	24.5	28.5	26.0	27.0	28.5	26.5	27.5	21.5	20.0	20.5
18	25.0	22.5	24.0	26.5	24.5	25.0	28.0	26.0	27.0	21.5	19.5	20.5
19	24.5	22.0	23.0	25.5	24.0	24.5	25.5	23.5	24.0	22.0	20.0	21.0
20	24.0	23.0	23.5	25.5	23.5	24.5	25.0	23.0	24.0	22.5	20.5	21.5
21	24.5	22.5	23.5	26.0	24.0	25.0	26.0	23.5	24.5	23.0	21.5	22.5
22	25.5	23.0	24.5	26.5	24.0	25.5	25.5	24.0	25.0	23.5	21.5	22.5
23	25.0	24.0	24.5	28.0	25.0	26.5	26.0	24.5	25.0	23.5	23.0	23.0
24	25.5	23.5	24.5	28.0	26.5	27.0	25.0	24.0	24.5	24.0	23.0	23.5
25	25.0	22.5	23.5	27.0	25.0	26.0	25.0	23.0	24.0	24.5	23.0	23.5
26	26.0	22.5	24.5	25.5	24.5	25.0	25.5	23.5	24.5	24.0	22.0	23.0
27	25.0	24.5	25.0	25.5	22.5	24.5	25.5	23.5	24.5	22.0	20.5	21.0
28	26.5	24.0	25.0	25.0	23.0	24.0	26.0	24.5	25.5	20.5	19.0	19.5
29	27.0	24.5	25.5	24.5	23.0	23.5	25.5	22.5	24.5	19.0	18.0	18.5
30	27.0	25.5	26.0	25.0	22.5	23.5	25.0	23.0	24.0	19.0	18.0	18.5
31	---	---	---	25.5	23.0	24.0	24.0	23.0	23.5	---	---	---
MONTH	28.0	16.0	24.0	28.5	21.5	25.0	29.5	22.5	25.5	25.5	18.0	22.5
YEAR	29.5	.0	14.5									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.5	3.2	3.8	---	---	---	12.0	11.7	11.9	12.8	12.6	12.7
2	6.0	3.6	4.4	7.9	7.0	7.3	12.2	11.9	12.2	12.5	11.9	12.2
3	5.7	3.1	4.0	8.4	6.6	7.6	12.3	12.0	12.2	12.1	11.7	11.9
4	5.4	3.1	3.6	8.9	8.0	8.5	12.2	11.9	12.0	11.9	11.5	11.8
5	5.6	3.3	4.4	9.6	8.2	9.1	12.3	12.1	12.2	11.7	11.5	11.6
6	7.8	4.8	6.3	9.4	9.0	9.2	12.3	12.0	12.2	11.8	11.4	11.6
7	8.2	6.4	7.2	---	---	---	12.5	12.1	12.3	12.2	11.7	12.0
8	8.6	6.8	7.5	---	---	---	12.8	12.4	12.6	12.2	11.8	12.0
9	7.7	6.8	7.3	9.9	8.8	9.4	12.8	12.7	12.8	12.0	11.6	11.8
10	8.7	7.2	7.9	9.1	8.2	8.7	12.9	12.8	12.8	11.7	11.5	11.6
11	8.5	7.0	7.6	9.5	8.2	8.8	12.9	12.7	12.8	11.7	11.3	11.4
12	7.3	6.4	6.9	11.1	9.8	10.7	12.6	12.3	12.5	11.3	11.0	11.1
13	---	---	---	11.7	10.9	11.5	12.4	12.0	12.3	11.0	10.5	10.8
14	---	---	---	12.5	11.6	12.0	12.2	12.0	12.2	10.4	9.8	10.1
15	---	---	---	12.2	11.6	12.0	12.2	12.1	12.2	10.0	9.7	9.8
16	---	---	---	12.0	11.6	11.8	12.5	12.3	12.4	10.2	9.9	10.0
17	---	---	---	12.3	11.6	12.0	12.9	12.6	12.8	10.3	9.5	9.9
18	---	---	---	12.9	12.3	12.7	13.0	12.9	12.9	10.3	9.3	9.9
19	---	---	---	13.0	12.8	12.9	13.2	12.9	13.1	10.9	7.5	9.6
20	---	---	---	12.7	12.0	12.4	13.3	13.1	13.2	11.3	10.5	11.0
21	---	---	---	12.2	11.9	12.0	13.3	13.1	13.2	---	---	---
22	---	---	---	12.1	11.6	11.9	13.1	12.8	12.9	11.4	9.6	10.0
23	---	---	---	11.8	11.3	11.6	13.1	12.9	13.0	12.5	11.7	12.4
24	9.0	8.4	8.8	11.5	11.2	11.4	13.1	12.9	13.0	---	---	---
25	8.7	8.1	8.3	12.1	11.5	11.8	13.0	12.9	12.9	11.4	10.9	11.2
26	8.6	7.9	8.2	11.9	11.4	11.6	12.9	12.6	12.8	12.0	11.2	11.8
27	8.0	7.9	8.0	11.6	11.3	11.4	12.7	12.3	12.5	12.2	11.7	12.0
28	---	---	---	11.8	10.4	11.2	12.3	11.9	12.2	12.0	11.5	11.9
29	---	---	---	11.3	10.4	10.9	12.7	12.2	12.5	11.7	11.1	11.3
30	---	---	---	11.7	11.3	11.6	12.9	12.4	12.7	11.1	10.4	10.7
31	---	---	---	---	---	---	13.1	12.7	12.9	10.6	10.0	10.4
MONTH	9.0	3.1	6.5	13.0	6.6	10.8	13.3	11.7	12.6	12.8	7.5	11.2

BEST COPY AVAILABLE

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.5	9.9	10.2	11.6	11.1	11.3	12.8	12.3	12.6	9.7	8.5	9.1
2	10.5	9.8	10.3	13.2	10.9	12.3	12.6	12.2	12.5	9.8	8.6	9.1
3	10.7	9.7	10.2	12.9	12.6	12.7	12.6	12.0	12.4	9.3	8.4	8.8
4	11.2	10.5	10.9	12.6	11.8	12.2	12.3	11.6	12.1	9.8	8.5	9.3
5	11.8	11.1	11.4	12.2	11.4	11.9	11.9	11.7	11.8	10.7	9.3	10.2
6	11.9	11.4	11.7	13.2	12.5	12.8	12.0	11.7	11.8	11.0	10.5	10.8
7	12.0	11.4	11.8	13.6	12.8	13.3	12.3	11.8	12.1	10.6	10.0	10.4
8	11.9	11.4	11.7	13.8	13.1	13.5	12.7	12.3	12.5	10.1	9.7	9.9
9	11.5	10.7	11.1	13.9	13.3	13.6	12.6	12.0	12.3	10.4	9.7	10.0
10	10.6	9.8	10.3	13.5	13.1	13.3	12.3	11.8	12.0	10.4	10.0	10.3
11	10.8	9.9	10.3	13.2	12.8	13.1	12.1	11.4	11.8	10.3	9.8	10.1
12	12.3	10.7	11.8	13.1	12.6	12.8	11.7	10.2	11.1	9.7	9.3	9.5
13	12.4	12.1	12.3	12.8	12.5	12.6	10.4	9.8	10.0	9.4	9.2	9.3
14	12.3	11.8	12.0	13.4	12.4	13.0	10.2	9.2	9.7	10.1	8.8	9.8
15	13.3	11.9	12.6	12.9	12.1	12.7	10.8	9.7	10.2	10.3	10.0	10.1
16	13.4	13.0	13.2	13.4	11.9	12.8	10.2	9.3	9.8	10.5	10.1	10.3
17	13.1	12.5	12.9	13.8	13.4	13.6	10.5	9.7	10.0	10.5	10.2	10.4
18	12.8	12.4	12.6	13.7	13.4	13.6	10.9	10.0	10.4	10.3	9.6	10.1
19	12.6	12.4	12.5	13.8	13.1	13.6	10.8	10.3	10.5	9.9	9.3	9.7
20	12.6	12.1	12.5	13.6	12.6	13.4	10.9	10.1	10.5	9.6	9.0	9.4
21	12.7	12.2	12.5	13.1	12.6	12.8	10.8	10.1	10.5	9.7	9.1	9.6
22	12.9	12.0	12.5	12.9	12.5	12.6	10.3	9.9	10.2	9.8	9.4	9.5
23	12.3	11.5	12.0	13.3	12.8	13.1	10.4	9.8	10.0	9.3	8.6	9.0
24	11.7	11.0	11.5	13.6	13.2	13.4	11.0	9.9	10.6	9.0	8.6	8.8
25	11.5	10.6	11.1	13.5	12.8	13.3	11.6	10.9	11.4	8.8	8.6	8.7
26	11.2	10.7	11.0	13.5	12.9	13.2	11.5	10.7	11.2	8.8	8.5	8.7
27	11.0	10.5	10.8	13.2	12.3	12.7	10.8	9.9	10.5	8.9	8.7	8.8
28	11.4	10.5	10.9	12.3	12.1	12.2	10.1	9.0	9.7	9.1	8.6	8.9
29	11.5	10.8	11.2	12.3	12.1	12.3	10.0	8.4	9.2	9.2	8.9	9.0
30	---	---	---	12.6	12.3	12.5	9.4	8.1	8.6	9.4	9.2	9.3
31	---	---	---	12.8	12.5	12.6	---	---	---	9.5	9.0	9.3
MONTH	13.4	9.7	11.6	13.9	10.9	12.9	12.8	8.1	10.9	11.0	8.4	9.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.1	8.6	8.9	6.6	5.2	5.8	7.0	4.5	5.8	7.1	6.1	6.5
2	8.9	8.3	8.7	6.3	5.3	5.8	6.7	4.6	5.5	6.6	5.8	6.2
3	8.2	7.8	8.0	6.9	5.0	5.9	7.2	5.0	6.1	6.3	5.1	5.7
4	7.8	7.1	7.6	6.5	5.1	5.6	7.5	6.2	7.0	6.6	5.4	5.9
5	7.8	6.7	7.3	6.5	5.3	5.9	7.4	6.2	6.8	6.3	5.0	5.7
6	7.1	6.4	6.6	6.1	5.2	5.6	7.6	6.3	6.6	6.2	5.1	5.7
7	7.3	6.4	6.9	6.7	5.5	6.1	6.5	5.3	5.7	6.2	5.0	5.6
8	7.1	6.4	6.7	6.4	5.5	6.0	6.3	4.7	5.4	6.8	5.0	5.8
9	6.7	5.7	6.1	6.4	5.2	5.8	6.5	4.6	5.5	6.3	5.0	5.6
10	6.7	5.3	5.9	6.0	4.8	5.5	7.8	5.0	6.1	5.7	4.7	5.1
11	6.6	5.1	5.7	6.7	5.4	5.7	7.1	5.2	6.2	5.4	4.2	4.8
12	7.4	4.6	5.8	7.0	5.0	6.2	7.3	6.0	6.7	5.3	3.8	4.5
13	6.2	4.5	5.3	7.5	4.0	5.8	7.3	6.1	6.4	7.2	3.3	5.2
14	6.6	4.5	5.6	7.4	5.4	6.5	6.9	5.5	6.1	7.2	5.1	6.3
15	6.8	4.9	5.7	6.1	4.0	4.9	7.3	5.1	6.0	7.3	6.3	6.8
16	6.5	5.0	5.8	6.4	3.9	5.1	7.4	4.8	5.9	7.3	6.2	6.8
17	6.0	5.2	5.6	7.4	4.1	5.4	6.7	4.7	5.5	7.6	6.0	6.8
18	6.9	5.1	5.7	8.1	5.0	6.3	8.9	4.6	5.8	7.8	6.4	7.0
19	7.4	6.5	7.0	7.4	5.5	6.4	9.4	4.8	6.4	7.4	6.3	6.8
20	7.4	6.8	7.1	7.8	5.5	6.2	7.9	5.1	6.4	7.5	6.0	6.6
21	7.3	6.3	7.0	7.7	5.5	6.6	7.5	4.8	6.1	7.0	5.8	6.3
22	6.5	5.6	6.1	7.8	5.8	6.6	7.7	5.1	6.1	6.9	5.7	6.2
23	6.2	5.2	5.8	7.9	5.5	6.4	7.3	4.7	6.0	6.3	5.2	5.8
24	6.2	5.3	5.8	7.5	4.7	6.0	6.2	4.9	5.6	5.8	5.0	5.3
25	6.3	5.6	5.9	7.7	5.0	6.2	6.7	4.9	5.8	6.2	4.8	5.3
26	7.1	5.1	6.0	7.2	5.3	6.1	6.6	4.8	5.6	6.6	5.1	5.8
27	6.0	4.8	5.4	7.5	5.3	6.4	7.1	4.8	6.0	6.8	5.5	6.2
28	6.4	4.7	5.6	7.5	5.8	6.6	6.8	5.0	5.8	6.9	6.0	6.5
29	6.6	4.8	5.6	7.8	5.9	6.7	7.0	4.6	5.7	7.1	6.2	6.7
30	6.3	4.9	5.5	7.4	5.6	6.5	6.6	5.6	6.0	7.1	6.3	6.8
31	---	---	---	7.7	5.3	6.3	7.5	6.1	6.9	---	---	---
MONTH	9.1	4.5	6.4	8.1	3.9	6.0	9.4	4.5	6.1	7.8	3.3	6.0
YEAR	13.9	3.1	9.3									

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	608	596	386	529	648	636	392	538	424	565	517	480
2	604	592	417	535	674	554	401	550	451	550	520	514
3	592	552	525	534	783	580	418	558	474	542	405	538
4	590	568	465	529	736	612	426	542	498	540	465	511
5	532	572	423	530	614	614	438	497	510	521	494	532
6	514	568	357	537	580	661	426	428	496	538	505	543
7	518	---	399	526	560	607	424	436	388	490	530	562
8	526	---	442	518	566	573	424	466	416	496	539	498
9	516	572	449	520	594	574	421	442	440	508	542	463
10	520	570	504	534	626	588	416	350	503	455	546	459
11	522	535	503	550	653	595	425	356	538	456	538	464
12	504	540	449	576	526	604	467	337	592	473	542	468
13	---	536	413	608	412	619	502	275	591	498	536	469
14	---	523	382	692	422	592	501	314	555	524	533	449
15	---	543	431	690	384	652	511	377	568	530	537	438
16	---	538	444	672	393	632	542	393	566	533	532	440
17	---	520	444	701	423	437	538	412	551	543	526	440
18	---	458	444	719	511	360	541	422	532	505	526	442
19	---	426	452	---	522	378	542	430	439	528	451	442
20	---	454	453	---	512	438	549	444	446	506	492	442
21	---	478	462	---	460	449	554	408	467	516	507	443
22	---	486	533	---	498	384	568	366	533	511	528	443
23	---	497	490	---	518	385	572	358	553	506	508	431
24	540	505	482	---	544	432	545	377	549	514	517	429
25	564	511	504	932	553	440	489	365	565	508	522	428
26	576	540	508	927	598	427	461	386	584	501	520	426
27	---	546	496	768	612	404	462	392	590	484	519	440
28	---	497	506	616	631	408	456	384	582	494	516	432
29	---	465	656	595	628	427	469	392	580	495	484	436
30	---	416	607	598	---	360	485	388	587	518	476	424
31	---	---	543	631	---	377	---	401	---	522	484	---
MEAN	549	522	470	623	557	310	479	412	519	512	512	454

WTR YR 1984 MEAN 507 MAX 932 MIN 275

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	7.3	7.5	7.7	7.2	7.5	7.6	7.6	7.7	7.4	7.3	7.3
2	7.2	7.3	7.6	7.7	7.3	7.8	7.6	7.6	7.7	7.6	7.3	7.3
3	7.2	7.3	7.7	7.6	7.3	7.7	7.6	7.6	7.6	7.6	7.3	7.3
4	7.2	7.3	7.7	7.6	7.4	7.6	7.6	7.6	7.6	7.6	7.4	7.3
5	7.2	7.3	7.7	7.5	7.4	7.6	7.6	7.6	7.6	7.6	7.4	7.3
6	7.3	7.4	7.5	7.5	7.4	7.8	7.5	7.7	7.5	7.6	7.4	7.3
7	7.3	---	7.5	7.6	7.4	7.8	7.5	7.6	7.4	7.6	7.3	7.2
8	7.3	---	7.6	7.6	7.4	7.8	7.6	7.6	7.4	7.6	7.3	7.3
9	7.3	7.4	7.6	7.5	7.2	7.8	7.6	7.7	7.4	7.6	7.3	7.3
10	7.3	7.3	7.7	7.5	7.2	7.8	7.5	7.7	7.4	7.6	7.4	7.2
11	7.3	7.3	7.8	7.4	7.4	7.7	7.6	7.7	7.5	7.7	7.4	7.2
12	7.2	7.6	7.8	7.4	7.5	7.7	7.6	7.7	7.4	7.7	7.4	7.2
13	---	7.6	7.6	7.5	7.4	7.7	7.5	7.6	7.4	7.6	7.4	7.2
14	---	7.6	7.6	7.4	7.5	7.6	7.4	7.7	7.4	7.6	7.3	7.3
15	---	7.6	7.6	7.4	7.5	7.8	7.5	7.7	7.4	7.6	7.3	7.3
16	---	7.6	7.7	7.4	7.4	7.7	7.4	7.7	7.4	7.6	7.3	7.3
17	---	7.6	7.7	7.5	7.4	7.8	7.4	7.7	7.4	7.6	7.3	7.3
18	---	7.6	7.7	7.5	7.5	7.6	7.4	7.7	7.4	7.6	7.4	7.2
19	---	7.6	7.7	7.6	7.5	7.6	7.4	7.7	7.5	7.3	7.4	7.2
20	---	7.6	7.7	---	7.5	7.7	7.4	7.7	7.5	7.3	7.3	7.3
21	---	7.6	7.6	---	7.5	7.7	7.4	7.7	7.5	7.3	7.3	7.3
22	---	7.6	7.6	---	7.5	7.7	7.3	7.7	7.5	7.4	7.3	7.2
23	---	7.6	7.7	---	7.6	7.6	7.3	7.7	7.4	7.3	7.3	7.2
24	7.4	7.6	7.7	---	7.6	7.7	7.7	7.7	7.4	7.3	7.3	7.2
25	7.3	7.6	7.7	7.4	7.5	7.7	7.8	7.7	7.4	7.3	7.3	7.2
26	7.3	7.7	7.7	7.5	7.5	7.7	7.8	7.7	7.4	7.3	7.3	7.2
27	7.3	7.6	7.7	7.5	7.5	7.8	7.7	7.7	7.4	7.3	7.3	7.3
28	---	7.6	7.6	7.4	7.5	7.5	7.6	7.7	7.4	7.3	7.2	7.3
29	---	7.6	7.7	7.4	7.5	7.6	7.6	7.7	7.4	7.3	7.3	7.3
30	---	7.6	7.7	7.3	---	7.5	7.6	7.7	7.4	7.3	7.3	7.3
31	---	---	7.7	7.3	---	7.5	---	7.7	---	7.3	7.4	---
MEAN	7.3	7.5	7.7	7.5	7.4	7.7	7.5	7.7	7.5	7.5	7.3	7.3

WTR YR 1984 MEAN 7.5 MAX 7.8 MIN 7.2

03099510 MAHONING RIVER AT OHIO-PENNSYLVANIA STATE LINE, BELOW LOWELLVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JJL	AUG	SEP
1	23.5	16.0	7.0	2.5	5.0	5.5	5.5	17.0	17.0	26.0	26.5	23.0
2	22.0	17.0	6.0	4.5	5.5	5.0	6.5	17.0	18.0	25.0	27.0	23.0
3	23.0	15.5	6.0	5.0	5.5	4.5	7.0	15.5	20.0	25.5	26.0	23.5
4	23.5	14.5	5.0	5.0	5.5	4.5	8.0	15.0	20.5	25.5	24.5	23.5
5	23.0	13.5	5.0	5.5	4.5	5.0	8.5	13.5	22.0	24.5	24.5	23.0
6	21.5	13.5	5.5	5.0	3.5	4.5	8.0	12.5	23.5	24.5	24.5	22.0
7	21.0	---	5.5	3.5	3.0	3.5	7.0	13.5	23.5	23.5	26.5	22.5
8	21.0	---	5.0	3.5	3.0	2.5	7.5	14.5	23.5	23.0	27.0	23.0
9	20.5	14.0	5.0	4.0	4.0	2.0	8.5	12.5	24.5	23.0	27.5	23.5
10	19.0	14.5	5.0	4.5	6.0	3.0	9.5	12.0	25.5	23.0	27.5	23.0
11	19.5	14.0	5.0	3.5	7.5	3.5	10.0	13.5	26.5	23.5	26.0	23.5
12	20.0	11.0	5.5	3.5	5.0	3.5	11.5	15.0	26.5	24.0	24.0	24.0
13	---	9.5	5.5	4.5	3.5	4.0	13.5	15.0	27.0	25.5	24.0	24.5
14	---	8.5	5.5	6.0	3.5	4.0	14.0	14.0	26.5	26.5	24.5	23.5
15	---	7.5	6.0	5.0	3.5	5.0	13.0	13.5	25.5	26.5	27.0	22.0
16	---	8.5	5.5	4.5	4.5	4.5	13.5	13.5	25.0	26.5	27.0	21.5
17	---	8.0	4.5	4.5	6.0	2.5	13.0	13.5	24.5	26.5	27.0	20.5
18	---	7.0	3.5	4.5	6.5	2.0	12.0	14.0	24.5	25.0	27.0	20.5
19	---	7.0	3.0	---	7.0	2.5	11.5	15.5	23.0	24.5	24.0	21.0
20	---	8.5	2.5	---	6.5	4.5	11.5	15.5	23.5	24.5	24.0	21.5
21	---	9.5	2.0	---	6.0	5.5	11.5	15.5	23.0	24.5	24.5	22.0
22	---	10.0	3.0	---	6.5	4.0	11.0	16.5	24.0	25.0	25.0	22.0
23	---	10.5	2.0	---	7.5	3.5	11.5	17.5	24.5	26.0	25.0	23.5
24	16.5	11.0	1.5	---	7.5	3.5	10.5	18.0	24.0	27.0	24.5	23.5
25	16.5	9.0	.5	7.0	7.5	5.0	10.5	18.0	23.5	26.0	24.0	23.5
26	16.0	8.0	1.0	5.5	8.0	6.0	12.0	18.5	24.0	25.0	24.0	23.0
27	---	8.0	3.0	4.5	7.5	6.0	13.0	18.5	25.0	24.5	24.5	21.0
28	---	10.0	3.5	4.0	6.0	6.5	16.0	17.0	25.0	24.0	25.0	19.5
29	---	9.5	3.0	4.5	5.5	5.0	17.5	16.0	25.5	23.5	25.0	18.5
30	---	8.0	2.5	5.0	---	3.5	18.0	15.5	26.0	23.5	24.0	18.5
31	---	---	2.0	5.0	---	4.5	---	15.5	---	24.0	23.5	---
MEAN	20.5	11.0	4.0	4.5	5.5	4.0	11.0	15.0	24.0	25.0	25.5	22.5

WTR YR 1984 MEAN 14.5 MAX 27.5 MIN .5

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	---	11.9	12.7	10.2	11.3	12.6	9.1	9.0	5.9	5.6	6.6
2	4.1	7.3	12.2	12.2	10.3	12.9	12.5	9.0	8.7	5.7	5.3	6.1
3	3.8	7.8	12.2	11.9	10.3	12.7	12.4	8.8	8.0	6.0	6.0	5.7
4	3.4	8.7	12.0	11.8	11.0	12.2	12.1	9.3	7.6	5.6	7.0	6.0
5	4.5	9.3	12.3	11.6	11.5	11.9	11.8	10.5	7.3	5.9	6.8	5.8
6	6.8	9.2	12.2	11.6	11.7	12.9	11.9	10.9	6.6	5.6	6.4	5.8
7	7.2	---	12.3	12.0	11.9	13.4	12.2	10.4	6.9	6.0	5.6	5.6
8	7.4	---	12.7	12.0	11.7	13.6	12.5	9.9	6.7	6.0	5.3	5.5
9	7.3	9.3	12.8	11.8	11.1	13.6	12.3	10.0	6.1	5.8	5.5	5.5
10	7.7	8.7	12.8	11.6	10.3	13.4	11.9	10.3	5.8	5.7	5.8	5.2
11	7.4	8.8	12.8	11.4	10.3	13.1	11.8	10.2	5.6	3.6	6.4	4.7
12	6.9	10.9	12.5	11.1	12.0	12.9	11.3	9.4	5.6	6.0	6.7	4.3
13	---	11.6	12.3	10.8	12.3	12.6	10.0	9.3	5.3	5.7	6.2	5.9
14	---	12.0	12.2	10.0	12.0	13.1	9.7	9.9	5.6	6.2	6.0	6.5
15	---	12.0	12.2	9.8	12.8	12.8	10.3	10.2	5.7	4.7	5.9	6.8
16	---	11.9	12.5	10.0	13.2	12.8	9.8	10.3	5.8	5.1	5.6	6.8
17	---	12.1	12.9	10.0	12.9	13.6	10.0	10.3	5.6	5.2	5.3	6.8
18	---	12.7	13.0	9.9	12.6	13.6	10.4	10.2	5.6	6.7	5.8	6.9
19	---	12.9	13.1	10.1	12.5	13.7	10.4	9.8	7.2	6.4	6.5	6.7
20	---	12.4	13.2	11.1	12.5	13.4	10.4	9.4	7.1	6.2	6.5	6.5
21	---	12.1	13.2	---	12.5	12.8	10.5	9.7	7.1	6.7	6.0	6.3
22	---	11.9	12.9	9.6	12.5	12.6	10.2	9.5	6.1	6.4	6.0	6.1
23	---	11.6	13.0	12.4	12.1	13.1	10.0	8.9	5.9	6.1	6.0	5.8
24	8.8	11.4	13.0	---	11.6	13.4	10.7	8.8	5.8	6.0	5.6	5.3
25	8.3	11.8	13.0	11.2	11.1	13.3	11.4	8.7	5.9	6.1	5.8	5.3
26	8.3	11.5	12.9	11.9	11.0	13.2	11.3	8.7	5.9	6.1	5.6	5.7
27	8.4	11.4	12.6	12.0	10.8	12.6	10.6	8.8	5.5	6.4	6.1	6.3
28	---	11.3	12.2	11.9	10.9	12.2	9.8	8.9	5.6	6.5	5.7	6.6
29	---	11.0	12.5	11.4	11.2	12.3	9.2	9.1	5.6	6.7	5.7	6.9
30	---	11.7	12.7	10.7	---	12.5	8.6	9.3	5.5	6.4	5.9	6.9
31	---	---	12.9	10.3	---	12.6	---	9.3	---	6.0	6.8	---
MEAN	6.5	10.9	12.6	11.2	11.6	12.9	11.0	9.6	6.4	6.0	6.0	6.0

WTR YR 1984 MEAN 9.3 MAX 13.7 MIN 3.4

03102950 PYMATUNING CREEK AT KINSMAN, OH

LOCATION.--Lat 41°26'34", long 80°35'18", in T.7 N., R.1 W., Trumbull County, Hydrologic Unit 05030102, on left bank at downstream side of bridge on State Highway 7 at Kinsman, 0.8 mi downstream from Sugar Creek, and 1.2 mi upstream from Stratton Creek.

DRAINAGE AREA.--96.7 mi².

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 906.8 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Water-quality data collected at this site 1966 to 1977.

AVERAGE DISCHARGE.--19 years, 128 ft³/s, 17.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,420 ft³/s Feb. 17, 1976, gage height, 12.27 ft from rating curve extended above 800 ft³/s; maximum gage-height, 12.32 ft Sept. 15, 1979; minimum discharge, 0.10 ft³/s Aug. 8, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 12	2300	845	10.21	Mar. 22	2200	880	10.34
Feb. 14	1800	*1360	11.08	May 12	1400	1220	*11.19
Mar. 17	0400	864	10.28	May 23	2400	788	10.42

Minimum daily discharge, 1.2 ft³/s Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	20	319	42	70	75	551	43	89	10	8.0	12
2	6.2	12	239	40	65	70	413	35	64	6.5	8.2	12
3	3.8	121	153	38	110	65	288	29	52	4.3	12	9.4
4	2.8	171	211	38	269	60	194	100	42	2.4	25	6.9
5	4.9	176	525	36	336	60	201	184	32	18	29	9.7
6	8.5	170	503	34	190	182	256	217	27	35	21	10
7	9.8	141	610	32	150	254	383	201	32	124	33	8.2
8	9.7	109	514	32	120	271	387	174	40	88	32	4.9
9	11	86	390	30	100	233	325	353	49	53	18	4.4
10	11	69	283	30	119	160	230	361	36	57	12	8.5
11	11	113	210	28	293	130	142	334	22	74	15	13
12	16	276	558	28	663	100	100	1010	13	99	21	15
13	22	299	803	26	923	85	81	953	8.7	109	12	17
14	33	288	749	26	1260	80	76	753	22	76	9.5	18
15	32	264	679	26	1190	75	114	551	24	32	6.3	27
16	24	365	554	24	923	381	141	350	20	15	3.5	29
17	18	516	400	24	704	820	128	202	86	6.0	2.2	21
18	15	562	272	24	560	769	123	110	554	5.1	1.8	14
19	12	550	187	24	440	700	116	81	391	6.5	4.3	9.4
20	9.9	603	146	24	352	594	114	94	240	4.9	4.7	6.1
21	13	547	97	24	274	713	110	363	122	2.7	3.0	6.1
22	17	429	100	24	213	859	94	382	53	1.6	2.3	5.8
23	35	307	126	24	170	821	86	509	29	2.1	3.0	4.3
24	53	216	110	53	141	653	99	696	21	4.3	2.7	3.5
25	52	145	92	144	120	525	124	538	15	4.9	2.3	4.4
26	46	97	73	210	106	405	113	380	11	6.7	2.1	13
27	43	71	59	180	96	299	95	224	7.5	23	1.8	11
28	39	125	55	150	85	223	77	135	32	21	1.2	10
29	34	437	50	110	83	493	62	161	18	14	1.7	7.8
30	32	402	48	85	---	633	52	144	14	10	6.9	6.3
31	27	---	46	75	---	632	---	117	---	9.0	14	---
TOTAL	659.1	7687	9161	1685	10125	11420	5275	9784	2166.3	925.0	318.5	327.7
MEAN	21.3	256	296	54.4	349	368	176	316	72.2	29.8	10.3	10.9
MAX	53	603	803	210	1260	859	551	1010	554	124	33	29
MIN	2.8	12	46	24	65	60	52	29	7.6	1.6	1.2	3.5
CFSM	.22	2.65	3.06	.56	3.61	3.81	1.82	3.27	.75	.31	.11	.11
IN.	.25	2.96	3.52	.65	3.89	4.39	2.03	3.76	.83	.36	.12	.13

CAL YR 1983 TOTAL 49672.7 MEAN 136 MAX 1200 MIN 1.9 CFSM 1.41 IN 19.11
WTR YR 1984 TOTAL 59533.6 MEAN 163 MAX 1260 MIN 1.2 CFSM 1.69 IN 22.90

03109500 LITTLE BEAVER CREEK NEAR EAST LIVERPOOL, OH

LOCATION.--Lat 40°40'33", long 80°32'27", Columbiana County, Hydrologic Unit 05030101, on right bank at downstream side of Grimms Bridge, 1.5 mi upstream from Island Run, 4 mi upstream from mouth, and 4 mi northeast of East Liverpool.

DRAINAGE AREA.--496 mi².

PERIOD OF RECORD.--May 1915 to current year.

REVISED RECORDS.--WSP 873: 1937(M). WSP 1305: 1916-18(M), 1921-22(M), 1924-30(M), 1933(M), 1936(M). WSP 1907: 1950(P), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 702.77 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 22, 1926, nonrecording gage at same site and datum.

REMARKS.--Records good except those for the winter period, which are fair. Water-quality data collected at this site 1964-1978. Sediment data collected at this site 1969 to 1974.

AVERAGE DISCHARGE.--69 years, 523 ft³/s, 14.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft³/s July 19, 1941, gage height, 17.4 ft, from rating curve extended above 16,000 ft³/s on basis of slope-area measurement of peak flow; minimum, 12 ft³/s several days in 1918, 1930, 1932, 1936.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 12	1300	* 5,160	* 8.83	No other peak above base.			

Minimum discharge, 56 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	136	795	410	280	380	1470	560	638	418	130	278
2	58	153	614	380	260	350	1160	503	559	320	125	165
3	57	576	543	350	700	340	987	531	408	501	153	130
4	69	536	2580	330	2310	320	970	844	420	426	272	165
5	130	376	3550	310	1770	310	1440	727	372	1010	354	163
6	148	320	2240	290	800	1030	1370	619	348	1310	244	133
7	116	272	1710	270	600	1020	1520	552	331	1260	192	113
8	94	236	1220	260	450	788	1230	758	296	718	209	103
9	80	210	946	240	450	615	1000	1270	265	472	169	94
10	71	213	818	230	600	540	857	1040	244	800	186	101
11	68	397	762	220	900	520	743	819	235	1410	517	110
12	160	895	3620	210	1500	500	664	800	206	1460	515	120
13	266	721	3750	210	1400	490	534	768	218	776	302	98
14	310	532	2080	200	2500	485	727	754	322	522	226	125
15	244	641	1530	200	2210	536	1040	681	267	406	185	224
16	167	1110	1180	190	1300	2010	865	566	210	405	155	151
17	136	1080	894	190	1110	3010	767	487	195	314	137	121
18	130	837	726	190	1080	1960	732	457	232	273	125	103
19	263	641	623	190	1050	1350	1070	510	939	250	167	95
20	266	567	503	190	1010	1250	978	551	691	221	203	90
21	186	554	464	190	829	1860	812	1490	348	198	141	86
22	149	482	795	190	701	2350	745	1290	249	183	119	88
23	266	416	708	190	632	1890	925	2660	218	156	123	81
24	523	393	500	600	563	1480	1670	2730	252	157	119	86
25	386	354	440	1800	549	1400	1770	1520	210	153	110	114
26	269	317	430	1700	482	1670	1240	1060	177	143	100	132
27	228	288	500	1300	451	1360	978	834	170	245	93	127
28	203	937	740	880	445	1440	838	808	251	270	87	116
29	178	2050	600	500	402	3870	722	1370	370	184	98	102
30	157	1290	520	350	---	3030	642	1040	466	152	130	97
31	140	---	450	300	---	1980	---	776	---	137	342	---
TOTAL	5575	17530	36831	13060	27434	40134	30566	29375	10187	15260	6028	3711
MEAN	180	584	1188	421	946	1295	1019	948	340	492	194	124
MAX	523	2050	3750	1800	2500	3870	1770	2730	939	1460	517	278
MIN	57	136	430	190	260	310	534	457	170	137	87	90
CFSM	.36	1.18	2.40	.85	1.91	2.61	2.05	1.91	.69	.99	.39	.25
IN.	.42	1.31	2.76	.98	2.06	3.01	2.29	2.20	.76	1.14	.45	.28

CAL YR 1983 TOTAL 217424 MEAN 596 MAX 5990 MIN 54 CFSM 1.20 IN 15.31
WTR YR 1984 TOTAL 235691 MEAN 644 MAX 3870 MIN 57 CFSM 1.30 IN 17.68

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03110000 YELLOW CREEK NEAR HAMMONDSVILLE, OH

LOCATION.--Lat 40°32'16", long 80°43'31", in sec. 29, T.8 N., R.2 W., Jefferson County, Hydrologic Unit 05030101, on right bank 1,000 ft upstream from Lowery Run, 0.9 mi upstream from Brush Creek, and 1.6 mi southwest of Hammondsville.

DRAINAGE AREA.--147 mi².

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 692.10 ft Ohio State Highway Department bench mark.

REMARKS.--Records good except those for the winter period, which are fair. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--44 years, 163 ft³/s, 15.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,580 ft³/s Jan. 27, 1952, gage height, 12.17 ft; minimum, 0.8 ft³/s Sept. 24 to Oct. 1, Oct. 7, 8, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--The highest stage observed is reported to have occurred in 1912.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	1930	2,050	6.05	May 23	2230	* 3,790	* 7.96
Dec. 12	1730	2,300	6.39				

Minimum daily discharge, 7.6 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	58	293	150	110	130	384	186	246	145	25	31
2	14	62	226	140	100	120	301	161	205	90	24	21
3	14	199	201	130	350	110	250	163	174	96	40	17
4	18	179	1100	120	750	100	257	235	148	55	39	15
5	68	160	1110	120	500	148	444	177	127	337	35	15
6	64	145	662	110	350	380	393	150	115	237	30	13
7	40	122	552	110	220	313	398	137	103	395	28	12
8	29	105	392	100	170	254	329	158	91	190	25	11
9	24	91	318	100	170	221	280	239	85	120	26	11
10	20	89	283	95	350	183	242	205	76	102	25	10
11	19	244	202	90	700	160	208	186	70	140	22	10
12	81	395	1430	90	500	150	189	192	63	352	23	12
13	117	261	1090	90	297	169	186	163	58	167	24	13
14	153	204	663	85	876	166	195	155	60	113	22	11
15	104	232	499	85	642	192	250	137	59	87	20	15
16	117	508	363	80	426	775	211	122	52	78	17	14
17	89	396	275	80	358	871	239	110	51	65	15	12
18	77	287	226	80	325	560	255	103	53	60	18	11
19	80	256	195	80	325	421	320	105	177	56	19	9.5
20	60	241	170	80	321	375	304	166	85	49	26	9.0
21	66	238	160	80	279	594	266	642	65	45	18	8.4
22	119	200	304	80	228	754	293	575	54	41	15	8.0
23	317	176	282	80	205	575	645	2130	52	37	18	7.6
24	295	169	225	350	189	488	976	1690	65	35	23	8.5
25	194	147	170	860	180	457	857	698	52	34	17	8.3
26	149	129	160	740	153	545	555	475	44	33	14	9.9
27	120	114	170	400	150	444	402	333	40	58	13	8.6
28	96	501	280	250	148	512	317	309	46	54	12	8.4
29	81	851	220	180	145	1320	250	580	48	37	13	8.7
30	68	443	190	140	---	802	218	389	119	29	16	9.3
31	61	---	170	120	---	535	---	309	---	27	53	---
TOTAL	2768	7202	12641	5295	9517	12824	10414	11380	2683	3364	715	358.2
MEAN	89.3	240	408	171	328	414	347	367	89.4	109	23.1	11.9
MAX	317	851	1430	860	876	1320	976	2130	246	395	53	31
MIN	14	58	160	80	100	100	186	103	40	27	12	7.6
CFSM	.61	1.63	2.78	1.16	2.23	2.82	2.36	2.50	.61	.74	.16	.08
IN.	.70	1.82	3.20	1.34	2.41	3.25	2.64	2.88	.68	.85	.18	.09

CAL YR 1983 TOTAL 74793.2 MEAN 205 MAX 1940 MIN 9.0 CFSM 1.40 IN 18.93
WTR YR 1984 TOTAL 79161.2 MEAN 216 MAX 2130 MIN 7.6 CFSM 1.47 IN 20.03

03111500 SHORT CREEK NEAR DILLONVALE, OH

LOCATION.--Lat 40°11'36", long 80°44'04", in sec. 30, T.4 N., R.2 W., Jefferson County, Hydrologic Unit 05030106, on right bank at downstream side of bridge on State Highway 150, 2.1 mi east of Dillonvale, 2.2 mi downstream from Jug Run, and 2.9 mi upstream from Little Short Creek.

DRAINAGE AREA.--123 mi².

PERIOD OF RECORD.--October 1941 to current year.

REVISED RECORDS.--WSP 1003: 1942-43. WSP 1907: Drainage area. WRD-OH-82-1: 1981

GAGE.--Water-stage recorder. Datum of gage is 676.1 ft State of Ohio bench mark. Prior to Oct. 21, 1941, nonrecording gage at same site and datum.

REMARKS.--Records poor. Water-quality data collected at this site 1964 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--43 years, 131 ft³/s, 14.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,500 ft³/s Mar. 6, 1945, gage height, 8.77 ft; maximum gage height, 10.15 ft Mar. 5, 1963, from graph based on gage readings; minimum daily discharge, 2.8 ft³/s Sept. 21, 27, 1947.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	1400	1290	4.70	Jan. 24	2100	*2430	*6.69
Dec. 12	1300	1290	4.70				

Minimum daily discharge, 27 ft³/s Sept. 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	35	157	140	80	100	268	211	195	108	42	39
2	28	34	138	130	75	100	240	192	174	84	44	35
3	28	105	138	120	150	95	220	209	155	79	52	35
4	34	71	722	110	350	95	259	254	135	65	55	35
5	93	58	415	100	270	162	375	213	125	97	55	35
6	57	52	304	95	180	261	311	194	123	99	56	31
7	39	46	289	90	130	202	311	190	116	115	63	30
8	37	42	229	85	110	170	268	199	112	73	50	29
9	34	39	199	80	100	146	244	220	107	55	44	29
10	32	45	202	75	123	120	222	192	99	54	46	28
11	31	232	193	75	179	110	207	180	95	211	42	29
12	129	237	799	70	184	100	192	294	90	224	43	30
13	85	142	428	70	226	100	190	243	84	104	41	30
14	106	114	313	65	513	120	192	206	87	94	39	31
15	58	174	280	55	323	135	198	182	86	75	36	32
16	49	278	235	65	244	244	178	169	84	59	34	33
17	42	201	199	60	217	233	235	159	84	52	33	31
18	46	149	174	60	207	192	278	155	85	50	34	29
19	104	133	150	60	207	166	304	156	174	50	52	31
20	57	119	130	60	198	164	254	188	97	50	43	31
21	91	129	120	60	176	327	224	205	81	55	36	31
22	84	115	417	55	153	425	349	187	72	52	58	30
23	231	91	275	55	139	334	556	401	68	50	102	29
24	124	90	214	220	127	293	469	315	69	49	54	39
25	80	84	170	951	130	278	408	213	70	49	44	38
26	63	79	150	239	122	441	332	184	68	47	39	34
27	58	77	140	160	121	332	293	164	62	57	37	27
28	50	295	250	130	110	351	270	197	78	58	35	27
29	43	349	210	110	110	603	244	573	62	49	34	30
30	38	197	180	100	---	388	233	290	68	46	37	31
31	36	---	160	90	---	318	---	234	---	43	53	---
TOTAL	2015	3812	7980	3845	5254	7105	8324	6969	3006	2441	1433	949
MEAN	65.0	127	257	124	181	229	277	225	100	78.7	46.2	31.6
MAX	231	349	799	951	513	603	556	573	196	224	102	39
MIN	28	34	120	55	75	95	178	155	62	43	33	27
CFSM	.53	1.03	2.09	1.01	1.47	1.86	2.25	1.83	.81	.64	.38	.26
IN.	.61	1.15	2.41	1.16	1.59	2.15	2.52	2.11	.91	.74	.43	.29

CAL YR 1983 TOTAL 57341 MEAN 157 MAX 1230 MIN 23 CFSM 1.28 IN 17.34
WTR YR 1984 TOTAL 53133 MEAN 145 MAX 951 MIN 27 CFSM 1.18 IN 16.07

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03111548 WHEELING CREEK BELOW BLAINE, OH

LOCATION.--Lat 40°04'01", long 80°48'31", Belmont County, Hydrologic Unit 05030106, on left bank at bridge on Pease Township Road 320 near U.S. Route 40, 0.5 mi east of Blaine, and 4.9 mi upstream from mouth.

DRAINAGE AREA.--97.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700.11 ft National Geodetic Vertical datum of 1929.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,020 ft³/s May 22, 1983, gage height, 5.06 ft; minimum daily discharge, 12 ft³/s Sept. 11, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 28	2330	*1,650	4.55	(No other peaks above base)			

Minimum daily discharge, 15 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	32	104	110	83	87	223	164	159	112	37	38
2	17	31	94	92	110	82	200	149	139	70	37	34
3	17	99	92	83	250	78	179	166	131	54	38	33
4	25	61	446	74	205	78	192	184	116	49	39	33
5	52	48	244	70	126	179	346	159	106	75	45	34
6	45	45	177	66	104	238	261	147	101	80	41	33
7	28	41	166	63	88	154	241	139	94	70	41	31
8	25	37	128	61	90	131	205	157	90	54	38	31
9	24	35	114	59	97	116	186	171	82	48	37	31
10	24	47	122	73	92	110	173	135	76	48	37	29
11	32	327	110	64	139	106	164	126	78	99	37	29
12	76	173	555	57	139	95	157	253	73	137	35	29
13	54	94	289	52	157	97	154	157	73	58	34	29
14	75	78	203	50	384	99	154	139	78	55	33	29
15	35	149	182	50	197	99	152	128	70	51	31	33
16	26	194	162	50	152	137	137	137	66	51	29	34
17	24	133	137	51	139	122	171	172	65	49	28	31
18	32	101	124	51	137	122	229	229	63	48	28	28
19	90	92	116	51	144	114	241	116	87	48	29	26
20	47	87	128	99	139	108	186	116	68	48	29	26
21	75	87	137	82	120	343	168	120	61	47	28	25
22	61	73	391	69	108	360	428	112	58	47	35	23
23	247	68	220	60	101	289	510	182	57	48	68	23
24	104	68	154	260	95	217	373	142	61	47	44	31
25	65	63	122	215	94	211	304	114	55	47	37	33
26	51	61	107	168	87	320	261	110	52	47	35	25
27	51	60	122	126	85	276	226	116	49	57	32	24
28	44	264	158	108	94	317	208	[illegible]	48	57	32	24
29	38	256	200	103	97	481	184	586	47	55	32	24
30	34	124	160	101	---	304	173	229	52	55	38	25
31	31	---	134	92	---	264	---	184	---	55	48	---
TOTAL	1564	3028	5598	2710	3853	5734	6786	5418	2355	1866	1132	878
MEAN	50.5	101	181	87.4	133	185	226	175	78.5	60.2	36.5	29.3
MAX	247	327	555	260	384	481	510	586	159	137	68	38
MIN	15	31	92	50	83	78	137	110	47	47	28	23
CFSM	.52	1.03	1.85	.90	1.36	1.89	2.31	1.79	.80	.62	.37	.30
IN.	.60	1.15	2.13	1.03	1.47	2.18	2.58	2.06	.90	.71	.43	.33

CAL YR 1983 TOTAL 44903 MEAN 123 MAX 1000 MIN 12 CFSM 1.26 IN 17.10
WTR YR 1984 TOTAL 40922 MEAN 112 MAX 586 MIN 15 CFSM 1.15 IN 15.58

03111548 WHEELING CREEK BELOW BLAINE, OHIO--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD:
SUSPENDED SEDIMENT DISCHARGE.--December 1982 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 4,640 mg/L May 22, 1983; minimum daily mean, 12 mg/L Aug. 30, 1983.
SEDIMENT LOADS: Maximum daily, 14,600 tons May 22, 1983; minimum daily, 0.65 ton Sept. 7, 1983.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,010 mg/L Apr. 22; minimum daily mean, 15 mg/L Oct. 11, Nov. 7, Aug. 26.
SEDIMENT LOADS: Maximum daily, 2,320 tons Apr. 22; minimum daily, 0.87 tons Oct. 2.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	15	22	.89	32	26	2.2	104	33	9.3
2	17	19	.97	31	24	2.0	94	30	7.6
3	17	30	1.4	99	140	37	92	32	7.9
4	25	98	6.8	61	41	6.8	446	997	1350
5	52	194	26	48	27	3.5	244	469	309
6	45	55	6.7	45	19	2.3	177	96	46
7	28	31	2.3	41	15	1.7	166	29	13
8	25	27	1.8	37	21	2.1	128	39	13
9	24	25	1.6	35	23	2.2	114	39	12
10	24	24	1.6	47	117	18	122	38	13
11	32	15	1.3	327	743	656	110	31	9.2
12	76	105	22	173	393	202	555	725	1090
13	54	66	9.5	94	111	28	289	120	94
14	75	78	17	78	61	13	203	64	35
15	35	23	2.2	149	170	90	182	56	28
16	26	19	1.3	194	200	114	162	48	21
17	24	17	1.1	133	51	18	137	44	16
18	32	37	4.3	101	36	9.8	124	39	13
19	90	112	28	92	33	8.2	116	37	12
20	47	31	3.9	87	31	7.3	128	46	16
21	75	50	10	87	30	7.0	137	42	16
22	61	43	7.1	73	29	5.7	391	390	456
23	247	852	568	68	29	5.3	220	78	46
24	104	125	39	68	29	5.3	154	59	25
25	65	31	5.4	63	28	4.8	122	40	13
26	51	30	4.1	61	27	4.4	107	40	12
27	51	29	4.0	60	27	4.4	122	40	13
28	44	29	3.4	264	387	303	158	40	17
29	38	29	3.0	256	284	196	200	40	22
30	34	28	2.6	124	54	18	160	40	17
31	31	27	2.3	---	---	---	134	40	14
TOTAL	1564	---	789.46	3028	---	1778.0	5598	---	3766.0

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03111548 WHEELING CREEK BELOW BLAINE, OHIO--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	110	40	12	83	158	35	87	42	9.9
2	92	40	9.9	110	203	60	82	41	9.1
3	83	40	9.0	250	106	72	78	40	8.4
4	74	40	8.0	205	57	32	78	40	8.4
5	70	40	7.6	126	47	16	179	130	63
6	66	40	7.1	104	46	13	238	190	122
7	63	40	6.8	88	52	12	154	132	55
8	61	40	6.6	90	52	13	131	102	36
9	59	40	6.4	97	49	13	116	73	23
10	73	40	7.9	92	88	22	110	62	18
11	64	40	6.9	139	172	65	106	62	18
12	57	40	6.2	139	103	39	95	63	16
13	52	40	5.6	157	96	46	97	70	18
14	50	40	5.4	384	369	391	99	77	21
15	50	40	5.4	197	202	107	99	79	21
16	50	40	5.4	152	90	37	137	84	31
17	51	40	5.5	139	61	23	122	93	31
18	51	40	5.5	137	58	21	122	53	17
19	51	40	5.5	144	62	24	114	48	15
20	99	40	11	139	51	19	108	46	13
21	82	40	8.9	120	42	14	343	318	294
22	69	40	7.5	108	45	13	360	277	269
23	60	40	6.5	101	40	11	289	201	157
24	260	175	123	95	33	8.5	217	148	87
25	215	207	120	94	37	9.4	211	83	47
26	168	75	34	87	37	8.7	320	383	331
27	126	54	18	85	40	9.2	276	155	116
28	108	117	34	94	41	10	317	161	138
29	103	100	28	97	43	11	481	150	195
30	101	81	22	---	---	---	304	100	82
31	92	68	17	---	---	---	264	96	68
TOTAL	2710	---	562.6	3853	---	1154.8	5734	---	2337.8
		APRIL			MAY			JUNE	
1	223	90	54	164	79	35	159	68	29
2	200	80	43	149	73	29	139	68	26
3	179	90	43	166	203	91	131	67	24
4	192	163	84	184	102	51	116	66	21
5	346	168	157	159	58	25	106	65	19
6	261	63	44	147	33	13	101	73	20
7	241	56	36	139	42	16	94	88	22
8	205	63	35	157	62	26	90	58	14
9	186	43	22	171	46	21	82	82	18
10	173	49	23	135	44	16	76	75	15
11	164	49	22	126	48	16	78	68	14
12	157	58	25	253	175	120	73	72	14
13	154	58	24	157	73	31	73	106	21
14	154	59	25	139	46	17	78	85	18
15	152	54	22	128	38	13	70	67	13
16	137	58	21	137	41	15	66	62	11
17	171	79	36	171	37	17	65	55	9.7
18	229	135	83	229	32	20	63	46	7.8
19	241	132	86	116	35	11	87	90	21
20	186	61	31	116	30	9.4	68	47	8.6
21	168	52	24	120	32	10	61	39	6.4
22	428	2010	2320	112	48	15	58	36	5.6
23	510	1110	1530	182	465	229	57	36	5.5
24	373	160	161	142	80	31	61	44	7.2
25	304	107	88	114	68	21	55	39	5.8
26	261	95	67	110	83	25	52	44	6.2
27	226	87	53	116	75	23	49	47	6.2
28	208	71	40	380	487	500	48	55	7.1
29	184	69	34	586	725	1150	47	42	5.3
30	173	79	37	229	82	51	52	36	5.1
31	---	---	---	184	84	42	---	---	---
TOTAL	6786	---	5270	5418	---	2689.4	2355	---	406.5

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	112	267	89	37	23	2.3	38	29	3.0
2	70	119	22	37	57	5.7	34	34	3.1
3	54	47	6.9	38	56	5.7	33	37	3.3
4	49	51	6.7	39	32	3.4	33	29	2.6
5	75	159	38	45	28	3.4	34	33	3.0
6	80	88	19	41	30	3.3	33	36	3.2
7	70	46	8.7	41	27	3.0	31	29	2.4
8	54	37	5.4	38	28	2.9	31	23	1.9
9	48	35	4.5	37	23	2.3	31	30	2.5
10	48	44	5.7	37	26	2.6	29	50	3.9
11	99	232	80	37	27	2.7	29	40	3.1
12	137	255	94	35	26	2.5	29	25	2.0
13	58	94	15	34	36	3.3	29	19	1.5
14	55	32	4.8	33	30	2.7	29	21	1.6
15	51	26	3.6	31	25	2.1	33	24	2.1
16	51	34	4.7	29	22	1.7	34	26	2.4
17	49	42	5.6	28	32	2.4	31	30	2.5
18	48	46	6.0	28	35	2.6	28	30	2.3
19	48	29	3.8	29	31	2.4	26	17	1.2
20	48	27	3.5	29	27	2.1	26	24	1.7
21	47	34	4.3	28	31	2.3	25	18	1.2
22	47	19	2.4	35	39	3.7	23	23	1.4
23	48	18	2.3	68	60	11	23	23	1.4
24	47	17	2.2	44	26	3.1	31	37	3.1
25	47	23	2.9	37	17	1.7	33	43	3.8
26	47	35	4.4	35	15	1.4	25	30	2.0
27	57	46	7.1	32	19	1.6	24	24	1.6
28	57	40	6.2	32	25	2.2	24	17	1.1
29	55	30	4.5	32	28	2.4	24	23	1.5
30	55	24	3.6	38	42	4.3	25	24	1.6
31	55	27	4.0	48	37	4.8	---	---	---
TOTAL	1866	---	470.8	1132	---	97.6	878	---	68.0
YEAR	40922		19390.96						

03114000 CAPTINA CREEK AT ARMSTRONGS MILLS, OH

LOCATION.--Lat 39°54'31", long 80°55'27", in NE 1/4 sec. 10, T.5 N., R.4 W., Belmont County, Hydrologic Unit 05030106, on left bank at downstream side of bridge on State Highway 148, 0.5 mi east of Armstrongs Mills, and 0.7 mi downstream from Anderson Run.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--August 1926 to September 1935, October 1958 to current year.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 739.53 ft National Geodetic Vertical Datum of 1929. Aug. 20, 1926 to Sept. 30, 1935, nonrecording gage at same site, at datum 1.0 ft higher.

REMARKS.--Records good except for winter period, which is fair. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--35 years, 165 ft³/s, 16.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s Aug. 11, 1980, gage height, 17.48 ft; no flow at times during 1929-30, 1932, 1934, 1959, 1963-66, 1972-74.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 12	0930	3,250	7.51	May 28	2300	* 4,690	* 9.03
Apr. 22	1830	3,440	7.73				

Minimum discharge, 0.35 ft³/s Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	17	151	110	65	100	339	154	206	80	3.0	17
2	3.9	15	120	100	65	95	269	131	158	52	3.6	8.9
3	3.3	189	133	90	400	90	231	157	124	49	7.1	4.7
4	3.3	118	673	80	367	90	476	206	97	31	27	4.4
5	17	74	449	75	227	85	713	160	81	38	29	3.9
6	21	59	334	70	158	601	460	138	70	86	19	2.6
7	14	45	297	65	95	371	373	134	61	82	12	2.2
8	9.6	37	229	60	75	281	287	167	54	38	9.3	2.0
9	7.5	31	196	60	55	223	241	241	48	25	13	1.6
10	5.7	37	251	55	106	170	205	188	42	50	7.1	1.0
11	4.4	687	234	55	193	140	176	155	37	363	5.3	.63
12	36	421	1650	50	227	130	153	268	32	109	5.6	.63
13	44	225	706	50	302	120	147	211	28	52	5.3	.48
14	65	157	432	48	1010	120	132	181	30	33	4.1	.48
15	34	292	350	46	492	133	129	144	25	24	3.0	1.0
16	20	494	266	46	329	183	114	120	22	35	2.5	1.8
17	14	413	208	44	280	189	149	103	21	26	2.2	2.4
18	15	263	168	44	313	177	211	93	22	20	1.9	2.9
19	93	198	147	42	331	161	279	89	40	16	1.7	2.2
20	50	160	129	42	307	151	216	82	26	13	1.8	1.6
21	120	165	161	42	240	913	178	78	21	11	2.0	1.0
22	95	127	350	42	193	750	1070	71	17	10	2.2	1.0
23	433	108	310	42	168	528	1170	194	15	8.4	38	.63
24	157	103	200	885	148	408	764	125	21	6.1	20	2.4
25	82	88	140	522	151	373	544	82	22	5.3	8.9	1.8
26	53	77	130	294	126	1120	376	70	15	4.6	5.7	1.3
27	44	68	140	200	115	570	315	63	13	5.7	3.9	1.0
28	34	414	300	147	110	513	271	818	13	5.4	3.1	1.0
29	26	336	190	100	110	997	217	1610	16	5.1	2.2	.82
30	22	207	140	85	---	634	190	475	29	4.2	2.2	1.0
31	18	---	120	75	---	446	---	294	---	3.4	38	---
TOTAL	1548.0	5625	9304	3666	6758	10862	10395	7002	1406	1291.2	289.7	74.37
MEAN	49.9	188	300	118	233	350	347	226	46.9	41.7	9.35	2.48
MAX	433	687	1650	885	1010	1120	1170	1610	206	363	38	17
MIN	3.3	15	120	42	55	85	114	63	13	3.4	1.7	.48
CFSM	.37	1.40	2.24	.88	1.74	2.61	2.59	1.69	.35	.31	.07	.02
IN.	.43	1.56	2.58	1.02	1.88	3.02	2.89	1.94	.39	.36	.08	.02

CAL YR 1983 TOTAL 65138.47 MEAN 178 MAX 2010 MIN .29 CFSM 1.33 IN 18.08
WTR YR 1984 TOTAL 58221.27 MEAN 159 MAX 1650 MIN .48 CFSM 1.19 IN 16.16

03117000 TUSCARAWAS RIVER AT MASSILLON, OH

LOCATION.--Lat 40°46'13", long 81°31'27", in sec. 20 T.10 N., R.9 W., Stark County, Hydrologic Unit 05040001, on left bank at sewage-treatment works, 0.7 mi south of Massillon, and 3 mi downstream from Newman Creek.

DRAINAGE AREA.--518 mi².

PERIOD OF RECORD.--October 1937 to current year. Prior to April 1938 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 916.00 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good except those for the winter period, which are fair. Some water diverted through the Portage Lakes into the Ohio Canal at Long Lake, 28 mi and 3 mi south of Akron. Part of the diverted water flows through the Ohio Canal into the Cuyahoga River basin. Flow affected by industrial plants upstream from station and supplemented at times by diversion from Nimisila Reservoir, capacity, 6,500 acre-ft, since 1939. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--47 years, 443 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft³/s July 5, 1969, gage height, 16.43 ft; minimum daily, 57 ft³/s Oct. 13, 14, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,800 ft³/s Mar. 22, gage height, 10.85 ft; minimum daily, 102 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	138	505	190	160	290	930	424	511	210	171	234
2	108	284	404	180	150	280	743	359	403	215	169	166
3	111	397	362	170	782	270	583	372	355	220	215	158
4	121	316	1350	160	1740	260	558	2070	323	239	386	178
5	132	239	2370	160	891	357	648	2190	304	601	330	162
6	145	212	1830	150	491	796	558	1340	308	499	253	143
7	128	180	1840	150	330	771	644	836	289	538	241	134
8	138	162	1290	140	265	597	556	1160	270	390	244	121
9	128	156	818	140	270	480	470	1720	244	297	208	121
10	123	151	629	130	348	380	422	1310	222	256	256	130
11	132	692	557	130	1410	330	380	962	222	253	224	158
12	246	1300	1010	130	1580	310	352	1590	217	244	187	136
13	248	709	1030	120	1360	290	345	1800	220	232	173	125
14	241	492	746	120	2460	280	380	1440	277	217	160	160
15	215	429	622	120	2720	270	523	1130	292	201	153	178
16	162	656	555	120	1990	1920	629	805	244	212	143	138
17	123	960	424	120	1210	2990	563	595	229	208	138	128
18	143	920	338	110	1110	2330	592	471	284	215	136	121
19	158	653	304	110	963	1490	502	439	498	215	176	121
20	138	630	282	110	840	1280	524	524	336	203	149	119
21	123	659	255	110	663	3340	457	1860	275	189	134	115
22	149	517	578	110	527	4750	394	1700	244	187	134	104
23	451	411	625	110	469	4290	768	1730	227	192	192	102
24	330	440	295	333	436	2970	1730	2220	222	194	166	136
25	201	408	269	933	404	1900	1680	1350	217	189	134	130
26	162	344	276	842	369	1430	1060	713	212	189	121	164
27	153	296	248	800	342	1040	778	539	212	538	121	171
28	143	953	260	487	311	933	758	629	224	391	125	156
29	123	1350	294	312	312	1080	508	1000	229	232	143	138
30	111	752	258	258	---	1920	492	814	222	192	311	123
31	111	---	210	190	---	1330	---	617	---	178	477	---
TOTAL	5114	15806	20834	7245	24903	41734	19927	34709	8332	8306	6170	4270
MEAN	165	527	672	234	859	1346	664	1120	278	268	199	142
MAX	451	1350	2370	933	2720	4750	1730	2220	511	601	477	234
MIN	108	138	210	110	150	260	345	359	212	178	121	102

CAL YR 1983 TOTAL 168171 MEAN 461 MAX 2810 MIN 102
WTR YR 1984 TOTAL 197350 MEAN 539 MAX 4750 MIN 102

03117100 TUSCARAWAS RIVER AT NAVARRE, OH

LOCATION.--Lat 40°43'36", long 81°31'47", Stark County, Hydrologic Unit 05040001, on left bank at Navarre water treatment plant, 800 ft upstream from bridge on Elton Road at Navarre, 3.5 mi downstream from gaging station at Massillon, 1.2 mi downstream from Pigeon Run, and just upstream from Wolf Creek.

DRAINAGE AREA.--534 mi².

PERIOD OF RECORD.--March 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1968 to current year.
pH: March 1968 to current year.
WATER TEMPERATURES: March 1968 to current year.
DISSOLVED OXYGEN: March 1968 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument. See records of daily discharge for gaging station at Massillon (station 03117000).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 16,700 micromhos Jan. 27, 1970; minimum, 200 micromhos Mar. 8, 9, 1980.
pH: Maximum, 10.7 units Oct. 27, 1971; minimum, 3.9 units Oct. 26, 1969.
WATER TEMPERATURES: Maximum, 30.0°C June 27, 28, 1969, Aug. 25, 1975, July 7, 16, 20, 1977; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN: Maximum, >20.0 mg/L July 15, 16, 23-26, 1982; minimum, 0.0 mg/L on many days during 1971 to 1973.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 3,000 micromhos Oct. 16; minimum, 290 micromhos Dec. 5.
pH: Maximum, 8.8 units July 21, 22, 23; minimum, 7.1 units Jan. 24.
WATER TEMPERATURES: Maximum, 26.5°C July 9; minimum, 0.5°C on many days during the winter period.
DISSOLVED OXYGEN: Maximum, 18.4 mg/L July 23; minimum, 3.7 mg/L June 20.

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1940	1790	1860	2080	1530	1800	750	680	720	1580	1480	1520
2	1960	1770	1860	1980	1040	1690	880	750	803	1580	1460	1520
3	1980	1700	1850	1230	770	941	1010	890	939	1570	1530	1550
4	2110	1930	2030	970	790	852	990	320	660	1650	1530	1590
5	1980	1560	1780	1130	920	997	460	290	335	1650	1560	1600
6	2570	1950	2180	1160	1070	1120	750	510	662	1550	1450	1510
7	2950	1940	2460	1230	1090	1190	750	620	678	1530	1480	1500
8	1930	1660	1760	1500	1240	1340	1160	740	963	1480	1420	1440
9	1930	1630	1770	1590	1420	1440	1500	1160	1290	1510	1460	1490
10	2260	1760	1990	1450	1370	1410	1560	950	1190	1540	1500	1530
11	1810	1610	1680	1390	570	1100	1030	970	999	1550	1470	1520
12	1940	1350	1680	530	440	484	1000	750	869	1670	1490	1540
13	2620	1640	1890	720	540	628	910	750	860	1720	1550	1620
14	2770	2300	2490	860	730	809	1070	920	996	1850	1520	1640
15	2470	2330	2390	920	850	878	1070	920	970	1690	1540	1640
16	3000	2410	2640	1140	810	952	980	890	923	1650	1550	1590
17	2380	1630	1980	1110	820	928	1000	890	915	2060	1550	1690
18	2950	1880	2520	1010	830	892	1100	1010	1060	2060	1450	1610
19	2110	1680	1820	1090	760	916	1180	1100	1140	1600	1540	1570
20	2190	1830	1980	810	750	788	1230	1150	1190	1640	1520	1570
21	2130	1450	1800	800	730	766	1300	1200	1240	1800	1420	1670
22	1890	1540	1670	880	730	811	1350	1030	1190	1960	1410	1700
23	1840	860	1330	1030	890	938	1090	730	833	1970	1620	1770
24	900	800	835	1090	920	1020	950	770	879	2100	1080	1690
25	1130	910	1010	910	860	890	990	940	970	1170	830	967
26	1520	1130	1330	1000	900	945	1270	980	1160	940	820	865
27	1460	1330	1410	1050	960	999	1410	1270	1320	820	680	738
28	1510	1440	1490	1050	430	757	1860	1400	1510	930	720	826
29	1600	1480	1540	530	410	473	1570	1420	1490	1000	890	949
30	1770	1580	1630	690	540	604	1770	1490	1640	1310	1010	1190
31	1810	1590	1690	---	---	---	1720	1440	1530	1440	1290	1350
MONTH	3000	800	1810	2080	410	979	1860	290	1030	2100	680	1450

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1410	1310	1360	1190	1070	1150	830	730	780	1120	1070	1090
2	1730	1370	1470	1190	1060	1110	920	790	855	1180	1070	1120
3	1680	610	1230	1240	1110	1170	960	820	903	1220	1050	1190
4	610	490	526	1300	1170	1230	1140	920	989	960	410	617
5	750	580	669	1340	1150	1280	1150	950	1000	610	460	562
6	920	760	845	1180	920	1040	940	840	899	770	620	697
7	1020	930	983	970	890	917	1370	810	878	960	780	868
8	1290	1020	1160	1100	900	1020	1010	830	880	1000	650	818
9	1320	1120	1220	1310	1090	1180	1090	870	975	710	620	656
10	1380	1040	1260	1170	1020	1080	1180	1030	1100	960	720	868
11	970	500	663	1210	1030	1120	1210	1070	1140	1130	960	1040
12	600	510	546	1240	1160	1200	1230	1160	1200	1100	500	732
13	650	600	635	1310	1150	1220	1310	1210	1250	630	510	569
14	650	480	523	1350	1190	1260	1280	1160	1230	710	610	653
15	820	490	690	1230	1080	1180	1220	870	1060	1080	670	965
16	1020	820	940	1050	430	709	930	840	880	1220	1080	1150
17	930	740	834	510	440	475	960	890	931	1200	900	1020
18	870	700	752	590	510	553	1050	900	959	1130	990	1040
19	760	700	728	700	600	650	1190	880	1060	1240	1110	1189
20	810	750	776	850	700	790	1190	950	1080	1210	830	[illegible]
21	870	790	819	740	380	485	1020	890	947	900	510	640
22	870	850	860	540	390	471	1060	950	987	740	550	638
23	---	---	---	630	540	584	1000	750	893	780	510	660
24	---	---	---	630	590	612	780	540	664	620	480	543
25	---	---	---	660	610	634	860	570	734	830	640	738
26	---	---	---	730	660	693	1110	860	988	1110	840	969
27	1180	1120	1150	800	730	765	1240	1120	1190	1080	1020	1050
28	1160	1110	1130	850	710	803	1260	850	1040	1080	900	977
29	1270	1140	1190	690	610	648	910	850	873	1000	720	835
30	---	---	---	700	600	638	1050	910	968	840	730	779
31	---	---	---	830	630	703	---	---	---	960	830	893
MONTH	1730	480	918	1350	380	883	1370	540	978	1240	410	860

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03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1070	950	1010	---	---	---	1890	1730	1836	1080	830	940
2	1290	1050	1150	---	---	---	1960	1890	1910	1420	1090	1250
3	1420	1260	1340	---	---	---	1920	1420	1830	1460	1330	1400
4	1550	1430	1490	---	---	---	2100	900	1520	1810	1370	1600
5	1600	1480	1540	2010	900	1460	1320	1040	1190	1920	1490	1740
6	1620	1500	1560	880	760	820	1320	1220	1260	1660	1450	1530
7	1600	1430	1520	1240	860	990	1450	1250	1370	1740	1630	1670
8	1730	1550	1610	1760	860	1130	1640	970	1270	1800	1670	1740
9	1920	1580	1700	1810	1700	1800	1740	1480	1650	1950	1810	1860
10	1930	1810	1870	---	---	---	1700	1370	1510	2010	1840	1920
11	1870	1800	1840	---	---	---	1950	1240	1670	2070	1750	1950
12	1950	1860	1890	---	---	---	1250	1060	1160	2210	1730	2050
13	1970	1810	1910	---	---	---	1650	1300	1460	1720	1620	1660
14	2050	1680	1800	---	---	---	1880	1660	1800	1800	1640	1750
15	2470	1480	1900	---	---	---	1870	1690	1760	2130	1730	1900
16	1550	1390	1470	---	---	---	1850	1750	1800	2110	1240	1460
17	1770	1590	1710	---	---	---	1860	1770	1850	1760	1330	1520
18	1770	1460	1670	---	---	---	1980	1880	1920	1770	1710	1750
19	1690	1110	1400	2020	1840	1900	2010	1890	1960	1900	1780	1820
20	1370	1110	1100	2020	1670	1820	2000	1050	1700	1950	1890	1920
21	1490	1270	1380	1810	1680	1740	1870	1170	1590	2000	1860	1960
22	1630	1470	1540	1980	1740	1880	2080	1820	1960	2030	1940	1980
23	1670	1560	1610	1970	1900	1920	2220	1830	2080	2050	1960	2020
24	1800	1650	1710	1950	1830	1900	2300	1430	1780	2050	1550	1860
25	1880	1710	1810	2010	1840	1930	1570	1340	1450	2110	1810	2000
26	2000	1830	1900	1980	1810	1910	1810	1580	1660	1940	1760	1900
27	2040	1980	2010	1980	870	1310	2020	1730	1880	1990	1560	1870
28	2080	1920	1990	940	790	848	2070	1990	2020	1510	1290	1390
29	2110	2020	2060	1230	950	1080	2100	1900	2040	1520	1420	1470
30	---	---	---	1560	1250	1400	2150	1010	1870	1510	1430	1460
31	---	---	---	1690	1500	1610	1420	670	1130	---	---	---
MONTH	2470	950	1640	2020	760	1530	2300	870	1670	2210	830	1710
YEAR	3000	290	1280									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.6	7.7	7.7	7.6	7.7	8.1	8.0	8.0	8.2	8.1	8.1
2	7.8	7.6	7.7	7.7	7.6	7.7	8.1	8.1	8.1	8.1	8.1	8.1
3	7.9	7.6	7.7	7.7	7.6	7.6	8.1	8.0	8.1	8.2	8.1	8.1
4	7.8	7.6	7.7	7.7	7.6	7.7	8.0	7.8	7.9	8.2	8.2	8.2
5	7.7	7.6	7.6	7.8	7.7	7.7	7.8	7.8	7.8	8.2	8.2	8.2
6	7.8	7.7	7.7	7.8	7.7	7.8	8.1	7.9	8.0	8.3	8.2	8.2
7	7.8	7.7	7.8	7.8	7.7	7.7	8.3	8.0	8.1	8.3	8.2	8.3
8	7.8	7.7	7.7	7.8	7.7	7.8	8.5	8.3	8.4	8.3	8.2	8.3
9	7.8	7.7	7.7	7.8	7.8	7.8	8.6	8.5	8.6	8.2	8.1	8.2
10	7.8	7.7	7.8	7.8	7.7	7.8	8.7	8.1	8.3	8.1	8.1	8.1
11	7.8	7.7	7.7	7.8	7.7	7.8	8.1	8.1	8.1	8.2	8.2	8.2
12	7.9	7.7	7.7	7.8	7.7	7.7	8.1	7.9	8.0	8.2	8.1	8.1
13	8.2	7.9	8.1	7.9	7.8	7.9	8.1	7.9	8.0	8.1	8.1	8.1
14	8.4	8.2	8.3	7.9	7.9	7.9	8.1	8.1	8.1	8.1	8.1	8.1
15	8.5	8.4	8.5	7.9	7.8	7.9	8.1	8.0	8.0	8.1	8.1	8.1
16	8.5	8.4	8.4	8.1	7.8	8.0	8.1	8.0	8.1	8.1	8.0	8.1
17	8.3	7.9	8.0	8.3	8.0	8.2	8.2	8.1	8.2	8.1	8.0	8.0
18	7.9	7.8	7.8	8.2	8.1	8.2	8.2	8.1	8.2	8.1	8.0	8.0
19	7.8	7.7	7.7	8.4	8.0	8.2	8.2	8.1	8.1	8.0	8.0	8.0
20	7.7	7.7	7.7	8.0	7.9	8.0	8.1	8.1	8.1	8.0	7.9	8.0
21	7.8	7.7	7.7	8.0	7.9	8.0	8.1	8.0	8.0	8.0	7.9	7.9
22	7.7	7.7	7.7	8.0	7.9	7.9	8.2	8.0	8.0	7.9	7.9	7.9
23	7.9	7.7	7.7	8.0	7.9	8.0	8.2	8.0	8.1	7.9	7.8	7.8
24	7.9	7.7	7.8	7.9	7.9	7.9	8.1	8.0	8.1	7.8	7.1	7.7
25	7.7	7.7	7.7	8.0	7.9	7.9	8.1	8.0	8.1	8.0	7.8	7.9
26	7.7	7.6	7.7	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.8
27	7.8	7.6	7.8	8.0	8.0	8.0	8.0	7.8	7.9	8.0	7.8	7.9
28	7.8	7.7	7.7	8.0	7.8	7.8	7.9	7.8	7.9	8.2	7.9	8.1
29	7.7	7.7	7.7	7.8	7.7	7.7	8.2	7.9	8.0	8.2	8.1	8.1
30	7.8	7.7	7.7	8.0	7.8	7.9	8.2	8.0	8.1	8.1	8.1	8.1
31	7.7	7.7	7.7	---	---	---	8.2	8.0	8.1	8.2	8.1	8.2
MONTH	8.5	7.6	7.8	8.4	7.6	7.9	8.7	7.8	8.1	8.3	7.1	8.1

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.2	8.1	8.1	8.3	8.3	8.3	8.0	7.9	7.9	8.3	7.9	8.1
2	8.1	8.0	8.0	8.3	8.2	8.2	8.0	7.9	8.0	8.3	7.9	8.1
3	8.1	8.0	8.0	8.2	8.2	8.2	8.0	7.9	7.9	8.0	7.8	7.9
4	8.0	7.8	7.9	8.2	8.1	8.2	7.9	7.9	7.9	7.8	7.6	7.7
5	7.8	7.8	7.8	8.1	8.1	8.1	7.9	7.8	7.9	7.6	7.6	7.6
6	7.9	7.8	7.9	8.2	8.0	8.1	7.9	7.8	7.9	7.8	7.6	7.7
7	7.9	7.9	7.9	8.1	8.0	8.0	8.1	7.9	8.0	7.8	7.7	7.8
8	8.1	7.9	8.0	8.2	8.1	8.1	8.2	8.0	8.1	7.8	7.7	7.7
9	8.1	8.1	8.1	8.4	8.2	8.2	8.2	8.0	8.1	7.7	7.6	7.6
10	8.1	8.1	8.1	8.3	8.1	8.2	8.2	8.1	8.1	7.9	7.8	7.8
11	8.0	7.8	7.9	8.2	8.1	8.1	8.2	8.1	8.1	7.9	7.8	7.9
12	7.9	7.8	7.9	8.2	8.1	8.2	8.3	8.0	8.1	7.9	7.5	7.7
13	7.8	7.8	7.8	8.2	8.1	8.2	8.3	8.0	8.1	7.7	7.6	7.6
14	7.8	7.7	7.8	8.3	8.1	8.2	8.1	8.0	8.0	7.8	7.6	7.7
15	7.9	7.8	7.9	8.2	8.1	8.1	8.1	7.9	8.0	7.9	7.8	7.8
16	8.0	7.9	7.9	8.1	7.8	8.0	8.0	7.8	7.9	8.0	7.8	7.9
17	7.9	7.8	7.8	7.9	7.8	7.8	8.1	7.9	8.0	8.0	7.8	7.9
18	7.9	7.7	7.8	7.8	7.8	7.8	8.2	8.0	8.1	7.9	7.8	7.8
19	7.8	7.7	7.7	7.9	7.8	7.8	8.4	8.1	8.2	7.8	7.7	7.8
20	7.8	7.8	7.8	8.0	7.9	8.0	8.4	8.2	8.3	7.8	7.7	7.7
21	7.9	7.8	7.9	7.9	7.7	7.8	8.4	8.1	8.2	7.6	7.5	7.6
22	7.9	7.9	7.9	7.8	7.7	7.7	8.2	8.0	8.1	7.6	7.5	7.6
23	---	---	---	7.9	7.8	7.8	8.1	7.9	8.0	7.7	7.4	7.6
24	---	---	---	7.9	7.8	7.8	7.9	7.7	7.8	7.6	7.4	7.5
25	---	---	---	7.8	7.7	7.8	8.0	7.7	7.8	7.6	7.5	7.5
26	---	---	---	7.9	7.8	7.8	8.1	7.9	7.9	7.7	7.6	7.6
27	8.0	7.9	8.0	7.9	7.8	7.9	8.1	7.9	8.0	7.8	7.6	7.7
28	8.2	8.0	8.1	7.9	7.8	7.9	8.0	7.8	7.9	7.7	7.7	7.7
29	8.3	8.2	8.3	7.9	7.8	7.8	8.2	7.8	7.9	7.7	7.7	7.7
30	---	---	---	7.9	[illegible]	7.8	8.2	7.9	8.0	7.8	7.7	7.7
31	---	---	---	8.0	[illegible]	7.9	---	---	---	7.9	7.7	7.8
MONTH	8.3	7.7	7.9	8.4	7.7	8.0	8.4	7.7	8.0	8.3	7.4	7.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.7	7.8	---	---	---	8.5	7.8	8.2	7.6	7.4	7.5
2	7.9	7.7	7.8	---	---	---	8.3	7.8	8.0	7.8	7.6	7.7
3	7.9	7.7	7.8	---	---	---	8.0	7.6	7.8	7.7	7.6	7.7
4	7.9	7.7	7.8	---	---	---	7.7	7.6	7.6	7.8	7.6	7.7
5	7.9	7.7	7.8	7.8	7.6	7.7	7.8	7.5	7.6	7.8	7.7	7.8
6	7.9	7.6	7.7	7.6	7.5	7.5	8.1	7.6	7.8	7.9	7.8	7.8
7	7.9	7.6	7.7	7.7	7.6	7.6	8.4	7.8	8.0	8.0	7.8	7.8
8	8.0	7.6	7.8	7.8	7.6	7.7	8.2	7.6	7.9	7.9	7.8	7.8
9	8.1	7.7	7.9	8.6	7.7	8.2	8.0	7.7	7.8	7.9	7.7	7.8
10	8.2	7.7	8.0	---	---	---	8.1	7.7	7.8	7.8	7.7	7.7
11	8.3	7.8	8.0	---	---	---	7.9	7.6	7.8	7.9	7.7	7.8
12	8.5	7.8	8.1	---	---	---	7.7	7.6	7.6	7.9	7.7	7.7
13	8.4	7.8	8.0	---	---	---	7.7	7.6	7.6	7.9	7.6	7.8
14	8.0	7.6	7.8	---	---	---	7.9	7.6	7.8	7.9	7.6	7.7
15	8.1	7.7	7.8	---	---	---	8.0	7.7	7.8	7.9	7.6	7.7
16	8.5	7.7	8.0	---	---	---	8.1	7.7	7.9	7.8	7.7	7.8
17	8.3	7.8	8.0	---	---	---	8.2	7.7	7.9	7.9	7.7	7.8
18	8.0	7.7	7.8	---	---	---	8.1	7.7	7.9	8.0	7.7	7.8
19	7.7	7.5	7.6	8.6	7.9	8.3	8.2	7.7	7.9	7.8	7.7	7.7
20	7.7	7.5	7.6	8.7	7.9	8.3	8.2	7.6	7.9	7.8	7.6	7.7
21	7.8	7.6	7.7	8.8	7.6	8.2	8.1	7.6	7.9	7.7	7.6	7.6
22	7.9	7.6	7.8	8.8	7.9	8.3	8.2	7.8	8.0	7.7	7.5	7.6
23	8.0	7.7	7.8	8.8	7.8	8.2	8.3	7.8	8.0	7.8	7.6	7.7
24	8.2	7.6	7.9	8.5	7.8	8.1	8.3	7.8	8.0	7.8	7.6	7.7
25	8.2	7.7	7.9	8.6	7.9	8.2	8.5	7.9	8.1	7.6	7.5	7.5
26	8.3	7.7	8.0	8.3	7.9	8.1	8.7	7.9	8.2	7.7	7.5	7.6
27	8.2	7.6	7.9	7.9	7.7	7.8	8.4	8.0	8.2	7.6	7.6	7.6
28	8.1	7.6	7.9	7.7	7.6	7.6	8.2	7.8	8.0	8.0	7.8	7.9
29	8.4	7.6	7.9	8.4	7.6	8.0	8.2	7.7	7.9	8.0	7.8	7.9
30	8.4	7.7	8.0	8.4	7.8	8.1	7.9	7.6	7.7	8.0	7.8	7.9
31	---	---	---	8.6	7.8	8.1	7.7	7.6	7.6	---	---	---
MONTH	8.5	7.5	7.9	8.8	7.5	8.0	8.7	7.5	7.9	8.0	7.4	7.7
YEAR	8.8	7.1	7.9									

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.0	17.0	18.0	11.0	9.5	10.5	4.5	3.5	4.0	2.0	1.5	1.5
2	19.0	16.0	17.5	12.0	10.0	11.0	3.5	3.0	3.0	2.0	1.5	2.0
3	19.5	16.5	18.0	12.5	11.5	12.0	4.0	3.0	3.5	2.5	1.5	2.0
4	19.0	18.0	18.5	11.5	9.5	10.5	4.0	3.5	4.0	3.0	2.0	2.0
5	18.5	18.0	18.5	9.5	8.5	9.0	4.5	3.5	4.0	2.5	2.0	2.0
6	18.5	16.5	17.5	9.5	8.0	8.5	5.5	4.5	5.0	2.5	2.0	2.0
7	17.5	14.5	16.0	9.5	8.5	9.0	5.0	3.5	4.5	2.0	1.5	1.5
8	17.5	14.0	16.0	11.0	8.5	9.5	3.5	3.0	3.0	2.5	1.5	1.5
9	17.0	15.0	15.5	11.0	8.5	10.0	3.5	3.0	3.5	2.5	1.5	2.0
10	17.0	14.5	15.5	11.0	10.0	10.5	4.0	3.5	4.0	2.5	1.5	2.0
11	17.0	14.5	16.0	11.0	8.5	10.0	5.0	4.0	4.5	2.5	1.0	1.5
12	17.0	15.5	16.5	8.5	6.0	7.0	6.0	5.0	5.5	2.5	1.0	1.5
13	17.0	16.0	17.0	6.0	5.0	5.5	6.0	6.0	6.0	3.0	1.5	2.0
14	16.0	14.0	15.0	6.5	5.0	5.5	6.5	5.5	6.0	2.5	2.0	2.0
15	15.0	12.5	13.5	6.5	5.5	6.0	6.0	5.5	5.5	2.0	1.0	1.5
16	15.0	12.5	13.5	6.5	6.0	6.0	5.0	3.5	4.5	3.0	.5	1.5
17	15.5	13.5	14.5	6.0	5.0	5.5	3.5	2.0	3.0	2.5	1.5	2.0
18	14.5	13.0	13.5	5.5	4.5	5.0	2.0	1.5	1.5	2.5	1.5	2.0
19	13.5	11.5	12.5	8.0	6.0	7.0	1.5	.5	1.0	2.5	1.0	1.5
20	13.0	11.5	12.0	9.0	7.5	8.5	1.5	.5	1.0	2.0	.5	1.0
21	12.5	11.5	12.0	9.0	8.0	8.5	2.0	1.0	1.5	1.5	.5	1.0
22	12.5	11.5	11.5	9.5	8.0	8.5	2.5	1.0	1.5	2.0	.5	1.0
23	12.0	11.5	11.5	10.0	9.0	9.5	.5	.5	.5	3.0	1.0	2.0
24	13.0	11.5	12.5	10.5	9.0	10.0	.5	.5	.5	3.0	1.0	2.5
25	13.0	12.5	12.5	9.0	7.0	8.0	.5	.5	.5	1.5	.5	1.0
26	12.5	11.5	12.0	7.5	6.0	6.5	.5	.5	.5	1.5	.5	1.0
27	12.0	10.0	11.0	7.5	6.0	7.0	1.0	.5	.5	1.0	.5	1.0
28	13.0	10.0	11.0	9.0	7.5	8.0	2.0	1.0	1.5	1.5	.5	1.0
29	12.5	10.5	11.5	8.5	6.5	7.5	1.5	.5	1.0	1.5	1.0	1.5
30	11.0	9.0	10.0	6.5	4.5	5.5	1.5	.5	1.0	2.0	1.0	1.5
31	11.0	8.5	9.5	---	---	---	1.5	.5	1.0	2.5	1.0	1.5
MONTH	19.5	8.5	14.0	12.5	4.5	8.0	6.5	.5	3.0	3.0	.5	1.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	.5	1.5	2.5	.5	1.5	8.0	5.5	6.5	16.0	14.0	15.0
2	3.5	1.0	2.0	3.5	.5	1.5	8.5	7.0	7.5	15.0	12.5	13.5
3	2.0	1.0	1.5	3.5	.5	2.0	9.0	7.5	8.0	13.5	12.5	13.0
4	1.0	.5	1.0	2.5	.5	1.5	9.0	8.0	9.0	12.5	10.5	11.0
5	1.5	1.0	1.5	3.5	2.0	3.0	10.5	9.0	9.5	11.0	10.5	11.0
6	2.0	1.0	1.5	3.0	2.0	2.5	9.5	8.0	8.5	12.5	10.5	11.5
7	1.5	.5	1.0	3.5	2.0	2.5	8.0	7.0	7.5	14.5	12.5	13.5
8	2.5	.5	1.5	2.5	1.0	2.0	9.0	6.5	7.5	14.5	13.0	14.0
9	3.5	1.0	2.0	2.0	.5	1.0	11.5	8.0	9.5	12.5	10.5	11.5
10	3.5	2.0	2.5	2.5	.5	1.0	12.5	8.5	10.5	12.0	10.0	11.0
11	3.0	2.0	2.0	3.0	1.0	2.0	13.0	9.5	11.0	14.5	12.0	13.5
12	3.5	2.5	3.0	3.0	.5	2.0	14.0	10.5	12.0	15.5	14.5	15.0
13	4.5	3.5	4.0	3.5	2.0	2.5	15.5	12.5	13.5	15.5	14.5	15.0
14	4.5	3.5	4.0	4.5	2.5	3.5	14.0	13.0	13.5	14.0	13.0	13.5
15	3.5	2.5	3.0	5.0	3.0	4.0	13.0	12.0	12.5	14.5	13.0	13.5
16	4.5	3.0	4.0	4.0	1.0	2.5	13.0	11.5	12.0	14.0	12.5	13.5
17	5.5	4.0	5.0	2.0	1.0	1.5	12.0	10.5	11.5	15.5	12.5	14.0
18	5.5	5.0	5.5	2.5	2.0	2.0	10.5	9.5	10.0	16.0	14.0	15.0
19	7.0	5.5	6.0	3.0	2.0	2.5	10.5	9.5	10.0	18.0	15.0	16.5
20	6.5	5.5	6.0	6.0	3.0	4.5	11.0	9.5	10.0	18.0	16.5	17.5
21	5.5	4.0	4.5	6.0	4.5	5.5	12.0	9.5	10.5	16.0	14.5	15.5
22	4.0	3.5	3.5	4.0	3.0	3.5	10.5	8.5	9.5	18.0	15.5	16.5
23	---	---	---	3.0	2.5	3.0	8.5	8.0	8.5	19.5	18.0	18.5
24	---	---	---	3.5	2.5	3.5	8.5	8.0	8.0	18.5	17.0	17.5
25	---	---	---	5.0	3.5	4.5	10.5	7.5	9.0	18.5	17.5	18.0
26	---	---	---	6.5	5.0	5.5	14.0	10.5	12.0	19.5	18.0	18.5
27	3.0	2.0	3.0	6.5	6.0	6.5	16.0	14.0	14.5	19.5	17.5	18.5
28	2.0	.5	1.5	6.5	5.5	6.0	16.5	15.0	16.0	18.0	16.5	17.0
29	2.5	.5	1.0	5.5	4.0	4.5	17.0	15.0	16.0	16.5	14.0	15.5
30	---	---	---	5.0	3.5	4.0	18.5	16.0	17.0	14.0	13.0	13.5
31	---	---	---	6.5	5.0	5.5	---	---	---	15.5	13.0	14.0
MONTH	7.0	.5	3.0	6.5	.5	3.0	18.5	5.5	10.5	19.5	10.0	14.5

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	14.5	16.0	---	---	---	24.0	21.0	22.5	20.5	18.5	19.5
2	20.5	16.0	18.0	---	---	---	24.5	22.0	23.0	23.0	19.0	20.5
3	22.5	18.5	20.0	---	---	---	24.0	21.5	23.0	21.5	19.5	20.5
4	22.5	18.5	20.5	---	---	---	23.5	22.5	23.0	20.5	18.5	19.5
5	23.0	19.0	21.0	22.0	21.5	20.5	24.5	22.0	23.0	19.5	17.5	18.5
6	23.5	20.5	22.0	21.0	20.5	20.5	25.5	22.0	23.5	19.5	15.5	17.5
7	24.5	21.0	22.5	21.0	19.0	20.0	25.0	23.0	24.0	18.5	15.5	17.0
8	24.5	22.0	23.5	23.0	18.0	20.0	25.5	23.0	24.0	20.0	16.0	17.5
9	25.5	22.5	24.0	26.5	22.0	24.5	25.0	23.0	24.0	20.5	17.0	18.5
10	26.0	22.5	24.0	---	---	---	25.0	23.0	24.0	20.5	18.0	19.5
11	26.0	22.5	24.0	---	---	---	26.0	23.5	25.0	22.0	18.5	20.0
12	25.5	21.0	23.5	---	---	---	23.5	22.0	23.0	22.0	19.0	20.5
13	25.0	22.5	23.5	---	---	---	24.5	22.0	23.5	22.0	18.5	20.5
14	25.0	22.0	23.0	---	---	---	25.0	22.5	24.5	23.0	20.5	21.5
15	23.5	21.0	22.5	---	---	---	25.0	22.0	23.0	21.0	18.5	19.5
16	22.5	20.0	21.0	---	---	---	25.0	21.5	23.5	19.0	16.0	17.5
17	23.5	20.5	21.5	---	---	---	25.5	21.0	23.0	18.0	14.0	16.0
18	24.0	21.5	22.5	---	---	---	25.5	22.0	24.0	18.0	14.5	16.5
19	25.5	22.5	23.5	23.5	19.5	22.0	25.5	22.0	24.0	18.5	15.0	16.5
20	24.5	23.0	23.5	23.0	19.5	21.5	25.5	21.5	23.5	19.5	16.5	18.0
21	25.0	21.5	23.5	24.5	20.5	22.0	24.0	20.0	22.5	20.5	17.0	19.0
22	25.0	21.5	23.0	25.0	21.0	23.0	23.0	18.5	21.5	20.5	17.5	19.0
23	24.0	22.5	23.0	25.5	21.5	23.5	23.0	19.5	21.5	21.0	19.0	20.0
24	24.0	21.5	22.5	25.0	22.5	23.0	21.0	19.0	20.0	21.0	19.0	20.0
25	23.0	20.0	21.5	23.5	21.0	22.5	22.0	17.5	20.0	21.5	19.5	20.5
26	23.5	19.5	21.5	23.0	21.0	21.5	22.0	18.0	20.0	21.5	18.0	19.0
27	23.0	20.0	21.5	21.0	18.5	20.0	22.5	18.5	21.0	17.5	16.0	16.5
28	23.5	19.0	21.5	22.5	19.0	20.5	22.0	20.0	21.0	15.0	14.0	14.5
29	23.5	20.5	22.0	22.5	19.0	21.0	23.5	20.0	21.5	14.5	12.0	13.5
30	23.0	19.0	20.5	23.5	20.0	21.5	23.5	20.0	21.5	14.0	12.0	13.0
31	---	---	---	24.5	19.5	22.0	21.5	19.5	20.5	---	---	---
MONTH	26.0	14.5	22.0	26.5	18.0	21.5	26.0	17.5	22.5	23.0	12.0	18.5
YEAR	26.5	.5	11.5									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	4.8	5.9	7.6	6.9	7.2	12.7	12.0	12.5	10.9	10.7	10.8
2	7.5	4.5	6.2	7.3	6.7	7.1	12.9	12.5	12.7	10.7	10.4	10.6
3	8.3	4.8	6.6	6.8	6.4	6.6	12.8	12.5	12.6	10.6	10.3	10.4
4	7.4	4.8	5.9	7.4	6.8	7.2	13.1	12.1	12.6	10.5	10.1	10.4
5	6.8	4.5	5.6	8.6	7.4	8.1	12.1	12.0	12.0	10.5	10.2	10.4
6	7.5	5.0	6.2	9.1	8.4	8.7	12.0	11.7	11.8	10.4	10.1	10.3
7	7.4	5.3	6.4	8.5	8.0	8.4	12.6	11.8	12.1	10.6	10.1	10.3
8	7.2	5.2	6.2	9.5	7.9	8.7	12.7	12.6	12.7	10.7	10.2	10.5
9	7.1	5.1	6.1	9.4	8.7	9.0	12.8	12.6	12.7	10.7	10.4	10.6
10	7.5	5.1	6.2	8.7	8.2	8.5	12.6	12.4	12.5	10.4	10.1	10.2
11	7.6	5.2	6.3	9.4	8.2	8.8	12.7	12.3	12.5	11.5	11.0	11.2
12	6.7	5.7	6.1	10.8	8.4	9.8	12.4	11.9	12.2	11.4	10.7	11.1
13	6.8	5.6	6.1	11.5	10.9	11.3	11.9	11.7	11.8	11.1	10.4	10.7
14	8.5	6.1	7.1	11.8	11.3	11.6	11.8	11.6	11.8	10.8	10.2	10.5
15	8.9	6.7	7.7	11.5	11.0	11.4	11.8	11.5	11.7	11.2	10.5	10.8
16	9.0	7.2	8.0	11.5	11.3	11.4	12.5	11.7	12.2	11.2	10.6	10.9
17	8.4	6.7	7.5	11.8	11.2	11.6	13.0	12.4	12.8	11.4	10.3	10.9
18	7.5	6.3	7.0	12.1	11.9	12.0	13.2	12.8	13.0	11.3	10.7	10.9
19	8.6	7.0	7.6	11.9	9.0	10.4	13.2	12.9	13.0	11.8	10.7	11.1
20	7.5	6.0	7.2	10.9	8.7	10.1	13.3	12.8	13.0	11.7	10.8	11.1
21	8.0	6.6	7.3	11.1	10.5	10.8	12.8	12.5	12.7	11.3	10.4	10.8
22	7.9	6.8	7.3	11.0	10.5	10.7	12.7	12.0	12.5	11.3	10.2	10.6
23	8.4	7.5	8.0	10.6	10.0	10.4	12.8	12.3	12.7	10.8	9.6	10.3
24	7.9	7.2	7.6	10.1	9.8	9.9	12.7	12.2	12.5	12.1	9.3	10.3
25	7.3	6.7	7.0	10.9	9.8	10.4	12.3	11.8	12.1	12.0	10.8	11.5
26	7.7	6.8	7.2	11.8	10.9	11.4	11.7	11.0	11.4	11.6	11.1	11.3
27	8.3	7.1	7.7	11.7	11.1	11.4	11.0	10.7	10.9	11.1	10.6	10.9
28	7.8	7.2	7.6	11.3	9.8	10.8	10.8	10.6	10.7	10.6	10.4	10.5
29	7.7	6.9	7.3	11.0	9.7	10.5	10.7	10.4	10.6	10.8	10.4	10.6
30	7.9	7.1	7.5	12.0	11.1	11.7	10.7	10.4	10.5	10.9	10.3	10.6
31	8.0	7.1	7.6	---	---	---	10.9	10.6	10.7	11.4	10.9	11.1
MONTH	9.0	4.5	6.9	12.1	6.4	9.9	13.3	10.4	12.1	12.1	9.3	10.7

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.9	10.9	11.4	13.3	12.6	12.9	12.1	11.6	11.9	12.3	8.5	10.2
2	11.8	11.0	11.4	13.3	12.6	12.9	11.7	10.9	11.3	13.5	8.8	10.8
3	12.4	11.1	11.5	13.4	12.5	12.9	11.0	10.5	10.9	10.6	9.1	9.8
4	11.7	11.2	11.5	13.6	12.5	12.9	10.6	9.9	10.3	9.4	8.5	9.0
5	11.3	11.2	11.2	12.6	12.2	12.4	10.2	9.7	10.0	9.1	8.9	9.0
6	11.3	11.1	11.2	12.7	12.4	12.6	10.6	9.8	10.1	9.6	8.8	9.2
7	11.8	11.1	11.5	13.2	12.6	12.9	11.8	10.6	11.2	9.5	8.8	9.2
8	12.1	11.6	11.8	13.2	12.7	12.9	12.2	11.3	11.7	9.1	8.4	8.8
9	12.2	11.6	11.8	13.5	12.9	13.2	11.9	10.7	11.3	9.7	8.5	9.2
10	11.9	11.1	11.7	13.5	13.0	13.2	11.9	10.3	10.9	10.3	9.7	10.0
11	12.2	11.0	11.4	13.4	12.8	13.0	12.1	9.7	10.6	9.8	9.2	9.6
12	11.2	10.9	11.0	13.2	12.6	12.9	12.7	9.4	10.7	9.0	6.8	8.2
13	11.1	10.6	10.8	12.9	12.3	12.6	12.7	8.4	10.1	8.5	8.1	8.4
14	11.7	10.8	11.2	13.0	12.1	12.5	10.7	8.4	9.3	9.3	8.3	9.0
15	11.5	11.2	11.4	12.7	12.0	12.3	9.7	8.4	9.0	9.5	9.1	9.2
16	11.5	11.2	11.3	13.1	12.2	12.7	10.6	8.8	9.6	10.1	8.6	9.3
17	11.2	10.5	11.0	13.0	12.8	12.9	10.8	9.2	9.9	10.2	9.0	9.6
18	11.4	11.1	11.3	12.8	12.6	12.7	11.7	9.9	10.7	9.2	8.3	8.6
19	11.5	11.1	11.4	12.7	12.6	12.7	12.5	10.6	11.3	8.5	7.5	8.0
20	11.4	11.3	11.3	12.7	12.2	12.5	13.0	10.8	11.7	8.1	6.9	7.4
21	12.0	11.4	11.8	12.2	11.4	11.7	13.8	10.7	11.7	7.9	6.8	7.4
22	12.1	11.8	11.9	12.0	11.5	11.7	11.7	10.5	11.0	7.8	7.5	7.7
23	---	---	---	12.3	11.6	12.1	11.3	10.7	11.1	7.8	6.8	7.3
24	---	---	---	12.2	11.8	12.0	10.8	10.1	10.5	7.5	6.9	7.2
25	---	---	---	12.0	11.7	11.9	10.8	10.3	10.6	7.5	7.2	7.3
26	---	---	---	11.8	11.6	11.7	10.6	9.7	10.2	7.5	6.9	7.2
27	12.8	12.6	12.7	11.8	11.4	11.6	10.3	8.9	9.4	8.0	6.6	7.3
28	13.2	12.5	12.8	11.7	11.3	11.4	10.0	8.5	9.2	8.0	7.2	7.7
29	13.3	12.8	12.9	12.3	11.8	12.0	11.4	8.2	9.7	8.2	7.5	7.9
30	---	---	---	12.4	12.2	12.3	11.5	8.4	9.8	8.9	8.2	8.5
31	---	---	---	12.3	11.9	12.2	---	---	---	9.4	8.7	9.0
MONTH	13.3	10.6	11.6	13.6	11.3	12.5	13.8	8.2	10.5	13.5	6.6	8.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	8.0	8.4	---	---	---	12.2	6.0	9.2	6.1	4.8	5.5
2	9.2	7.5	8.2	---	---	---	10.1	5.7	8.1	8.0	5.2	6.5
3	9.2	6.9	7.9	---	---	---	7.7	4.5	5.9	7.1	5.5	6.1
4	9.5	6.4	7.8	---	---	---	5.9	4.4	5.1	7.8	5.4	6.6
5	9.3	6.3	7.7	7.5	4.6	3.9	7.3	4.0	5.1	8.2	6.0	7.4
6	8.8	5.7	7.1	5.4	4.1	4.6	9.1	4.9	6.5	8.2	6.2	7.0
7	9.0	5.4	7.1	6.7	5.1	5.8	10.9	5.3	7.9	8.6	6.3	7.2
8	10.4	5.2	7.6	7.7	5.2	6.0	10.5	5.7	7.6	8.5	6.3	7.2
9	10.9	5.5	8.1	15.2	6.3	11.5	18.0	8.8	15.8	8.7	6.0	7.2
10	13.0	6.1	9.2	---	---	---	17.2	15.8	16.6	8.2	5.8	6.7
11	15.3	6.6	10.0	---	---	---	16.0	12.8	14.9	8.3	5.2	6.8
12	16.7	6.6	10.4	---	---	---	15.0	11.6	13.7	7.9	5.3	6.2
13	14.6	6.6	9.8	---	---	---	12.4	6.1	9.9	7.8	4.7	6.2
14	11.4	5.5	7.9	---	---	---	8.5	6.0	7.3	8.3	4.9	6.4
15	11.0	5.8	7.9	---	---	---	9.7	6.2	8.5	7.8	5.3	6.4
16	14.8	6.2	9.8	---	---	---	11.2	6.5	9.6	7.4	5.4	6.4
17	12.7	6.9	9.7	---	---	---	11.5	8.5	10.4	8.6	6.2	7.2
18	10.2	6.0	7.8	---	---	---	10.6	7.7	9.3	9.8	6.3	7.8
19	6.8	4.8	5.6	13.4	6.7	11.2	10.4	7.7	9.2	8.7	6.0	7.1
20	5.9	3.7	4.6	14.8	6.8	10.7	11.1	6.9	9.2	7.9	5.3	6.4
21	7.2	3.8	5.3	17.1	7.6	12.2	11.0	8.6	10.1	7.3	4.9	6.0
22	8.4	4.7	6.3	18.0	8.1	13.2	10.7	7.8	9.8	8.0	5.0	6.3
23	8.3	4.8	6.4	18.4	7.8	13.0	10.2	6.4	8.5	7.9	5.1	6.4
24	10.5	4.7	7.2	13.6	7.4	10.5	10.1	6.2	8.0	7.2	5.4	6.2
25	10.6	5.3	7.5	14.7	6.9	10.8	12.9	5.9	9.4	6.8	4.6	5.5
26	12.1	6.0	8.4	11.2	4.2	8.8	14.9	6.7	10.7	7.1	4.7	5.7
27	11.3	5.7	8.2	7.2	5.0	6.2	13.6	7.7	11.0	7.1	4.9	6.0
28	11.6	5.5	8.3	6.8	4.5	5.6	11.9	6.6	8.7	8.3	6.2	7.1
29	13.4	5.5	8.8	10.6	4.3	7.6	11.2	6.0	8.4	9.1	6.7	7.7
30	---	---	---	11.9	6.1	8.6	8.9	5.4	6.5	8.4	7.0	7.6
31	---	---	---	13.1	6.0	9.2	6.1	5.0	5.5	---	---	---
MONTH	16.7	3.7	7.9	18.4	4.1	8.9	18.0	4.0	9.2	9.8	4.6	6.6
YEAR	18.4	3.7	9.6									

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1840	1820	740	1510	1370	1170	770	1090	1810	---	1870	940
2	1870	1790	800	1510	1430	1120	855	1110	1150	---	1910	1250
3	1860	920	925	1540	1250	1180	910	1170	1320	---	1860	1420
4	2040	835	570	1570	520	1240	970	515	1480	---	1430	1600
5	1810	980	320	1590	675	1290	990	545	1540	1630	1170	1780
6	2110	1130	680	1510	845	930	900	690	1550	820	1260	1500
7	2490	1220	675	1510	990	910	860	855	1540	965	1370	1670
8	1750	1360	955	1440	1160	1060	575	775	1600	930	1230	1750
9	1730	1430	1260	1490	1230	1170	955	655	1660	1800	1680	1840
10	1970	1420	1040	1510	1250	1060	1100	865	1879	---	1510	1890
11	1660	1120	1000	1530	620	1130	1160	1050	1850	---	1720	1970
12	1760	480	870	1530	545	1200	1210	730	1880	---	1160	2110
13	1800	615	875	1590	640	1220	1250	570	1920	---	1460	1660
14	2470	815	995	1590	500	1250	1240	645	1800	---	1810	1790
15	2400	880	950	1660	695	1190	1110	980	1570	---	1730	1870
16	2560	940	925	1580	945	645	880	1150	1460	---	1780	1300
17	1920	905	910	1640	860	470	930	980	1720	---	1850	1490
18	2570	900	1080	1520	710	550	960	1020	1720	---	1910	1730
19	1820	885	1150	1580	720	650	1130	1200	1400	1890	1960	1810
20	1940	790	1200	1580	780	805	1110	1170	1170	1810	1960	1920
21	1530	770	1230	1740	820	445	935	545	1360	1720	1660	1950
22	1670	810	1190	1710	860	475	990	635	1500	1890	1980	1980
23	1250	920	760	1800	---	580	910	695	1610	1920	2110	2020
24	830	1020	900	1790	---	610	705	545	1720	1920	1640	1930
25	1020	895	980	940	---	630	730	740	1800	1930	1430	2030
26	1310	925	1180	855	---	690	970	990	1880	1910	1660	1910
27	1420	980	1330	710	1140	765	1200	1060	2010	1150	1900	1880
28	1490	745	1430	820	1130	800	1020	960	2000	830	2030	1380
29	1560	480	1500	950	1180	645	865	840	2070	1090	2060	1470
30	1620	600	1650	1200	---	640	970	765	---	1410	2040	1460
31	1670	---	1520	1340	---	700	---	895	---	1590	1130	---
MEAN	1800	979	1020	1450	915	880	982	853	1640	1510	1690	1710

WTR YR 1984 MEAN 1280 MAX 2570 MIN 320

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.7	8.0	8.1	8.1	8.3	7.9	8.1	7.8	---	8.2	7.5
2	7.7	7.7	8.1	8.1	8.0	8.2	8.0	8.1	7.8	---	8.1	7.7
3	7.7	7.6	8.1	8.1	8.0	8.2	7.9	7.9	7.8	---	7.7	7.7
4	7.7	7.7	7.9	8.2	7.9	8.2	7.9	7.7	7.8	---	7.6	7.7
5	7.6	7.7	7.8	8.2	7.8	8.1	7.9	7.6	7.8	7.8	7.6	7.8
6	7.7	7.8	8.0	8.2	7.9	8.0	7.9	7.7	7.7	7.5	7.7	7.8
7	7.8	7.7	8.1	8.3	7.9	8.0	8.0	7.8	7.7	7.7	8.0	7.8
8	7.7	7.8	8.4	8.3	8.0	8.1	8.1	7.7	7.8	7.7	7.8	7.8
9	7.7	7.8	8.6	8.2	8.1	8.2	8.1	7.7	7.9	8.3	7.8	7.8
10	7.8	7.8	8.3	8.2	8.1	8.1	8.1	7.8	7.9	---	7.7	7.7
11	7.7	7.8	8.1	8.2	7.9	8.1	8.1	7.9	8.0	---	7.8	7.8
12	7.7	7.7	8.0	8.1	7.9	8.2	8.1	7.7	8.0	---	7.6	7.7
13	8.1	7.9	8.0	8.1	7.8	8.2	8.1	7.6	7.9	---	7.6	7.7
14	8.2	7.9	8.1	8.1	7.8	8.2	8.0	7.7	7.8	---	7.8	7.7
15	8.5	7.9	8.0	8.1	7.9	8.1	8.0	7.8	7.8	---	7.7	7.7
16	8.4	8.0	8.1	8.1	7.9	7.9	7.9	7.9	7.9	---	7.9	7.8
17	7.9	8.2	8.2	8.0	7.8	7.8	7.9	7.9	8.0	---	7.3	7.8
18	7.8	8.2	8.2	8.0	7.8	7.8	8.1	7.8	7.8	---	7.9	7.8
19	7.7	8.2	8.1	8.0	7.7	7.8	8.2	7.8	7.6	8.4	7.8	7.7
20	7.7	8.0	8.1	8.0	7.8	8.0	8.3	7.7	7.6	8.3	7.9	7.7
21	7.7	8.0	8.0	7.9	7.9	7.7	8.3	7.6	7.6	8.2	7.8	7.6
22	7.7	7.9	8.0	7.9	7.9	7.7	8.1	7.6	7.7	8.3	8.0	7.6
23	7.7	8.0	8.1	7.8	---	7.8	8.0	7.6	7.8	8.1	8.0	7.7
24	7.8	7.9	8.1	7.8	---	7.8	7.9	7.5	7.8	8.1	7.9	7.7
25	7.7	7.9	8.1	7.8	---	7.8	7.8	7.5	7.9	8.3	8.1	7.5
26	7.7	8.0	8.0	7.8	---	7.8	7.9	7.6	7.9	8.2	8.3	7.6
27	7.8	8.0	7.9	7.9	8.0	7.9	7.9	7.7	7.9	7.7	8.2	7.7
28	7.7	7.8	7.9	8.0	8.1	7.9	7.9	7.7	7.9	7.7	8.0	7.9
29	7.7	7.7	8.0	8.1	8.3	7.8	7.9	7.7	7.9	8.0	7.9	7.9
30	7.7	7.9	8.1	8.1	---	7.8	8.0	7.7	8.0	8.1	7.7	7.9
31	7.7	---	8.1	8.2	---	7.9	---	7.8	---	8.1	7.6	---
MEAN	7.8	7.9	8.1	8.1	7.9	8.0	8.0	7.7	7.8	8.0	7.9	7.7

WTR YR 1984 MEAN 7.9 MAX 8.6 MIN 7.5

BEST COPY AVAILABLE

03117100 TUSCARAWAS RIVER AT NAVARRE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.5	10.5	4.0	1.5	1.5	1.0	6.5	15.5	16.0	---	22.5	19.5
2	17.0	11.0	3.0	2.0	2.0	1.5	8.0	14.0	17.5	---	23.0	20.5
3	18.0	12.0	3.5	2.0	2.0	1.5	8.0	13.0	19.5	---	23.0	20.5
4	18.5	10.5	4.0	2.0	1.0	1.5	9.0	11.0	20.5	---	22.5	19.0
5	18.5	9.0	4.0	2.0	1.5	3.0	9.5	11.0	20.5	21.5	22.5	18.5
6	17.5	8.5	5.0	2.0	1.5	2.5	9.5	11.0	21.5	20.5	23.5	17.0
7	16.5	9.0	4.5	1.5	1.0	2.5	7.5	13.5	22.5	20.0	24.0	16.5
8	16.0	9.5	3.5	1.5	1.5	2.0	7.5	14.0	23.0	19.0	24.0	17.5
9	15.5	9.5	3.5	2.0	1.5	1.0	9.0	11.5	23.5	25.0	24.0	18.5
10	15.5	10.5	4.0	2.0	2.5	1.0	10.0	10.5	24.0	---	24.0	19.5
11	16.0	10.0	4.5	1.5	2.5	1.5	10.5	13.0	24.0	---	25.0	20.0
12	16.5	7.0	5.5	1.5	3.0	1.5	11.5	15.0	23.0	---	23.0	20.0
13	17.0	5.5	6.0	2.0	4.5	2.5	13.0	15.0	23.5	---	23.5	20.5
14	15.0	5.5	6.0	2.0	4.0	3.5	13.5	13.5	23.0	---	24.5	21.5
15	14.0	6.0	6.0	1.5	3.0	4.0	12.5	13.5	22.5	---	23.0	19.0
16	13.5	6.0	4.5	1.5	3.5	2.5	12.0	13.0	21.0	---	23.5	17.0
17	14.0	5.5	3.0	2.5	5.0	1.5	11.5	13.5	21.5	---	23.0	16.0
18	13.5	5.0	2.0	2.0	5.5	2.0	10.0	14.5	22.5	---	24.0	16.5
19	12.5	6.5	1.0	1.0	6.0	2.5	10.0	16.0	23.0	22.0	24.0	17.0
20	12.0	8.5	1.0	1.0	6.0	4.0	10.0	17.0	23.5	21.5	23.5	18.0
21	12.0	8.5	1.0	.5	4.5	5.5	10.5	15.5	23.0	22.0	22.5	19.0
22	11.5	8.5	2.0	1.0	3.5	3.5	9.5	16.5	23.0	23.0	21.5	19.0
23	11.5	9.5	.5	1.5	---	3.0	8.5	18.5	23.0	23.5	21.5	19.5
24	12.0	10.0	.5	2.5	---	3.5	8.0	17.5	22.5	23.0	20.0	19.5
25	12.5	8.0	.5	1.0	---	4.5	8.5	18.0	22.0	22.5	20.0	20.5
26	12.0	6.5	.5	1.0	---	6.0	12.0	16.5	21.0	21.5	20.0	18.5
27	11.0	6.5	.5	1.0	3.0	6.5	14.0	16.0	21.5	20.0	21.0	16.5
28	10.5	8.5	1.5	1.0	1.5	6.0	16.0	17.0	21.0	20.5	21.0	14.5
29	11.5	8.0	1.0	1.5	1.0	4.5	16.0	15.0	22.0	20.5	21.5	13.5
30	10.0	5.5	1.0	1.5	---	4.0	16.5	13.5	20.5	21.0	21.5	13.0
31	9.5	---	1.0	1.5	---	5.5	---	14.0	---	21.5	20.5	---
MEAN	14.0	8.0	3.0	1.5	3.0	3.0	10.5	14.5	22.0	21.5	22.5	18.0

WTR YR 1984 MEAN 11.5 MAX 25.0 MIN .5

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	7.3	12.5	10.8	11.4	12.9	11.9	10.1	8.3	---	9.4	5.5
2	6.1	7.1	12.7	10.6	11.3	12.8	11.5	10.7	8.0	---	8.3	6.3
3	6.6	6.7	12.6	10.4	11.4	12.8	10.9	9.8	7.8	---	5.9	6.0
4	6.0	7.2	12.5	10.4	11.5	12.8	10.4	8.9	7.7	---	5.1	6.6
5	7.6	8.2	12.0	10.4	11.2	12.3	10.0	9.0	7.6	4.7	4.4	7.1
6	6.0	8.6	11.8	10.3	11.2	12.6	10.0	9.1	7.1	4.6	6.0	6.9
7	6.4	8.4	12.0	10.3	11.6	12.9	11.5	9.2	6.8	5.7	7.7	7.1
8	6.1	9.0	12.6	10.5	11.7	12.9	11.6	8.9	7.2	5.8	7.6	7.2
9	6.1	8.9	12.7	10.6	11.8	13.2	11.2	9.2	7.9	13.5	17.1	7.3
10	6.1	8.5	12.5	10.8	11.7	13.2	10.7	10.0	8.8	---	16.7	6.6
11	6.3	8.7	12.5	11.2	11.2	13.0	10.3	9.6	9.1	---	15.3	6.8
12	6.1	10.1	12.3	11.1	11.0	12.9	10.3	8.4	9.1	---	13.9	6.1
13	6.1	11.3	11.8	10.8	10.9	12.7	9.8	8.4	8.9	---	10.4	6.1
14	6.6	11.6	11.8	10.5	11.2	12.5	9.2	9.1	7.6	---	6.9	6.3
15	7.4	11.5	11.7	10.8	11.4	12.3	9.0	9.2	7.2	---	9.0	6.3
16	7.8	11.4	12.2	10.8	11.4	12.8	9.6	9.3	8.3	---	10.0	6.5
17	7.6	11.7	12.8	11.0	11.0	13.0	9.8	9.5	9.8	---	10.0	7.1
18	7.0	12.0	13.1	10.9	11.3	12.7	10.8	8.5	7.7	---	9.2	7.8
19	7.4	9.9	13.0	11.1	11.5	12.7	11.2	7.9	5.6	12.0	9.0	7.0
20	7.2	10.6	13.0	11.0	11.3	12.6	11.5	7.4	4.2	10.3	9.2	6.3
21	7.2	10.8	12.7	10.7	11.8	11.7	11.4	7.4	4.9	11.8	10.1	5.9
22	7.3	10.6	12.6	10.4	11.9	11.7	11.1	7.7	5.9	13.5	9.8	6.1
23	8.0	10.5	12.8	10.2	---	12.2	11.1	7.3	6.2	13.2	8.3	6.4
24	7.6	9.9	12.7	9.9	---	12.0	10.6	7.2	6.5	10.8	7.6	6.2
25	7.0	10.3	12.1	11.6	---	11.9	10.6	7.4	7.1	11.0	9.2	5.4
26	7.2	11.5	11.5	11.3	---	11.7	10.1	7.2	7.6	9.5	10.7	5.5
27	7.8	11.3	10.9	10.9	12.7	11.7	9.4	7.4	7.7	6.3	11.5	6.0
28	7.6	11.0	10.7	10.6	12.9	11.4	9.1	7.8	8.0	5.7	8.4	7.0
29	7.4	10.5	10.6	10.7	12.9	12.0	9.6	7.8	8.2	8.1	8.8	7.6
30	7.6	11.9	10.5	10.7	---	12.3	9.6	8.6	---	7.9	6.1	7.5
31	7.5	---	10.7	11.1	---	12.2	---	9.0	---	8.6	5.5	---
MEAN	6.9	9.9	12.1	10.7	11.6	12.5	10.5	8.6	7.5	9.1	9.3	6.6

WTR YR 1984 MEAN 9.6 MAX 17.1 MIN 4.2

03117500 SANDY CREEK AT WAYNESBURG, OH

LOCATION.--Lat 40°40'21", long 81°15'36", in sec. 21, T.17 N., R.7 W., Stark County, Hydrologic Unit 05040001, on upstream side of left pier of bridge on State Highway 183 in Waynesburg, 300 ft downstream from Little Sandy Creek, and 0.6 mi upstream from Indian Run.

DRAINAGE AREA.--253 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 923: 1939-40. WSP 1555: 1940(M), 1943(M), 1947(M), 1952, 1956(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 955.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record Oct. 22 to Jan. 17, and those for the winter period, which are fair. Water-quality data collected at this site 1964 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--46 years, 271 ft^3/s, 14 55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft^3/s Jan. 22, 1959, gage height, 10.05 ft, from rating curve extended above 8,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; minimum, 6.9 ft^3/s Sept. 12, 13, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 17	0300	* 2,010	* 5.02	Mar. 29	1230	1,840	4.71

minimum discharge, 41 ft^3/s Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	100	350	160	140	200	822	345	320	101	58	175
2	43	120	280	150	130	190	607	300	281	117	60	122
3	43	140	250	150	310	190	501	275	248	104	77	112
4	46	190	800	150	591	180	463	531	217	93	91	130
5	59	170	1300	170	421	180	592	504	194	367	143	109
6	62	150	1000	160	281	557	562	403	198	382	88	94
7	54	140	800	150	205	575	542	353	180	475	73	86
8	51	130	600	140	185	482	476	404	162	285	75	93
9	48	120	420	130	165	374	412	597	145	196	70	78
10	48	.20	350	130	187	320	372	465	135	163	105	75
11	46	220	320	130	401	270	341	384	127	155	333	77
12	72	540	900	120	499	254	315	347	118	162	202	73
13	95	380	1000	120	511	268	295	309	115	143	126	72
14	97	310	640	120	1060	256	301	304	130	120	102	78
15	87	290	520	110	1050	303	352	274	118	112	89	79
16	77	420	430	110	806	997	352	243	111	118	78	70
17	70	450	330	110	654	1770	324	219	107	100	77	63
18	70	390	280	100	575	1350	313	207	130	99	71	60
19	100	360	230	100	530	975	321	210	260	92	233	57
20	97	320	200	100	498	898	340	249	201	85	151	56
21	85	290	190	100	453	1450	322	615	141	80	104	53
22	84	260	250	100	407	1530	292	500	121	77	90	51
23	180	230	270	100	367	1190	409	834	113	72	91	48
24	270	213	210	364	338	956	835	937	115	69	83	55
25	170	180	200	863	313	795	1060	742	106	68	75	60
26	140	170	190	567	288	806	906	597	98	66	69	69
27	120	160	180	380	260	723	727	424	94	91	64	65
28	110	540	180	238	232	688	573	467	99	87	63	57
29	100	800	170	212	212	1650	459	648	95	73	77	56
30	95	500	170	179	---	1510	389	499	97	67	159	54
31	90	---	160	159	---	1140	---	393	---	65	373	---
TOTAL	2752	8400	13170	5872	12069	23027	14575	13579	4576	4284	3550	2317
MEAN	88.8	280	425	189	416	743	486	438	153	138	115	77.2
MAX	270	800	1300	863	1060	1770	1060	937	320	475	373	175
MIN	43	100	160	100	130	180	292	207	94	65	58	48
CFSM	.35	1.11	1.68	.75	1.64	2.94	1.92	1.73	.61	.55	.46	.31
IN.	.40	1.24	1.94	.86	1.77	3.39	2.14	2.00	.67	.63	.52	.34

CAL YR 1983 TOTAL 114600 MEAN 314 MAX 3510 MIN 38 CFSM 1.24 IN 16.85
WTR YR 1984 TOTAL 108171 MEAN 296 MAX 1770 MIN 43 CFSM 1.17 IN 15.90

03118000 MIDDLE BRANCH NIMISHILLEN CREEK AT CANTON, OH

LOCATION.--Lat 40°50'29", long 81°21'14" in NE 1/4 sec. 27, T.11 N., R.8 W., Stark County, Hydrologic Unit 05040001, on right bank at downstream side of bridge on Martindale Road, 2.4 mi upstream from mouth, and 0.5 mi northeast of Canton.

DRAINAGE AREA.--43.1 mi².

PERIOD OF RECORD.--September 1941 to current year.

REVISED RECORDS.--WSP 1033: 1942(M), 1943(P), 1944(M). WSP 1305: 1946(M). WSP 1143: 1948. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,046.60 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Part of municipal water supply for city of Canton is pumped from its northeast well field; a portion of pumpage is believed to be derived from creek as recharge to aquifer supplying well field about 1 mi downstream from gage. Mean pumpage for water year 1984, 11.1 ft³/s. At times low flow regulated by small pools above station. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--43 years, 36.2 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,470 ft³/s Jan. 22, 1959, gage height, 6.50 ft, from rating curve extended above 1,600 ft³/s on basis of contracted-opening measurement of peak flow; minimum daily, 0.2 ft³/s Nov. 9, 1944, Sept. 19, 1962.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 400 ft³/s and Maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 17	0100	*450	*4.84	No other peak above base.			

Minimum daily discharge, 7.7 ft³/s Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	15	56	24	22	24	104	47	106	20	17	22
2	9.9	18	40	24	20	22	81	43	84	21	17	19
3	9.5	29	35	24	86	20	69	39	67	21	34	17
4	11	39	164	24	170	20	68	42	55	22	58	17
5	12	32	304	26	74	29	87	84	47	56	42	15
6	12	28	165	25	41	100	91	98	41	44	31	14
7	11	24	160	24	31	95	90	75	35	41	24	14
8	10	22	96	23	26	67	77	59	34	35	30	14
9	9.9	18	67	22	24	45	60	58	34	29	28	13
10	9.5	18	53	20	27	34	51	178	31	27	25	15
11	9.5	46	48	20	138	30	44	156	29	27	24	17
12	12	118	164	20	134	28	41	111	28	28	22	18
13	15	83	192	19	103	28	39	85	26	27	21	18
14	15	53	106	18	241	28	42	108	24	26	17	14
15	15	45	85	18	176	33	53	91	24	24	15	13
16	13	86	69	17	101	240	54	98	24	23	14	12
17	12	95	51	17	80	315	78	79	23	23	7.7	12
18	13	83	42	16	89	151	70	62	23	25	18	12
19	15	58	35	16	84	104	61	55	37	25	19	12
20	15	52	30	16	72	113	55	49	37	25	16	12
21	14	57	26	16	53	268	50	49	24	24	15	12
22	14	48	45	16	43	259	46	59	23	22	15	12
23	36	38	49	16	38	158	54	164	22	21	14	14
24	56	32	33	74	35	126	82	138	23	21	9.2	14
25	36	28	30	193	33	113	162	190	22	23	11	16
26	26	26	28	123	30	114	130	197	22	18	12	16
27	22	23	26	92	28	91	85	100	21	29	13	15
28	18	99	26	47	27	90	64	70	22	26	18	13
29	17	169	26	33	24	267	60	55	22	21	19	12
30	15	93	26	28	---	202	53	78	21	19	38	15
31	14	---	24	24	---	141	---	142	---	18	31	---
TOTAL	507.2	1575	2301	1075	2050	3355	2101	2959	1931	811	674.9	439
MEAN	16.4	52.5	74.2	34.7	70.7	108	70.0	92.2	34.4	26.2	21.8	14.6
MAX	56	169	304	193	241	315	162	197	106	56	58	22
MIN	9.5	15	24	16	20	20	39	39	21	18	7.7	12

CAL YR 1983 TOTAL 17797.9 MEAN 48.8 MAX 370 MIN 9.5
WTR YR 1984 TOTAL 18779.1 MEAN 51.3 MAX 315 MIN 7.7

03118500 NIMISHILLEN CREEK AT NORTH INDUSTRY, OH

LOCATION.--Lat 40°44'03", long 81°21'08", in sec. 35, T.10 N., R.8 W., Stark County, Hydrologic Unit 05040001, on left bank just downstream from railroad bridge, 1 mi southeast of North Industry, and 3 mi downstream from Sherrick Run.

DRAINAGE AREA.--175 mi².

PERIOD OF RECORD.--October 1921 to current year.

REVISED RECORDS.--WSP 1113: 1924-30, 1932-37, 1938(M), 1939-40, 1943(M), 1945(P). WSP 1555: 1929, 1935, 1937(M), 1940(M), 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 970.77 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 13, 1923, nonrecording gage at site 1 mi upstream at different datum.

REMARKS.--Records good except those for the winter period and for period of no gage-height record, June 13 to July 17, which are fair. Low flow slightly regulated by plants at Canton. Records include diversion from Sugar Creek well field. Mean pumpage for the 1984 water year, 15.7 ft³/s. See REMARKS for station 03124500. Water-quality data collected at this site 1964 to 1969, 1975, 1977.

AVERAGE DISCHARGE.--63 years, 186 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,600 ft³/s Jan. 21, 1959, gage height, 11.29 ft, from rating curve extended above 6,500 ft³/s on basis of slope-area measurement of peak flow; minimum, 2.6 ft³/s Sept. 2, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s, and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	1930	*2,410	*5.67	No other peak above base.			

Minimum daily, 94 ft³/s Oct. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	181	239	110	130	190	364	200	236	160	115	156
2	99	184	204	110	120	180	304	190	211	190	139	124
3	108	342	200	110	697	180	272	259	195	170	265	190
4	187	202	1430	110	572	180	314	554	182	160	272	152
5	181	184	1010	169	290	358	386	314	177	300	203	128
6	124	152	691	164	222	591	353	250	203	540	147	123
7	113	142	571	154	195	458	328	219	165	700	213	117
8	106	135	379	142	170	353	268	671	161	450	185	111
9	99	126	312	141	150	297	238	676	150	340	241	106
10	108	152	282	148	188	270	221	410	139	250	185	156
11	108	555	262	137	659	240	205	311	141	230	143	117
12	237	419	1080	131	456	220	197	364	141	250	124	111
13	193	276	644	130	448	210	197	304	140	230	123	109
14	142	230	433	120	1380	210	253	321	160	190	121	155
15	106	282	392	120	656	349	241	262	150	160	115	115
16	94	369	328	110	447	1490	241	227	140	140	111	113
17	94	338	265	110	400	1090	250	205	140	120	107	109
18	234	277	227	110	414	515	256	195	160	160	107	107
19	163	270	210	110	401	394	244	208	380	123	195	107
20	115	260	192	100	359	501	253	360	310	117	119	106
21	108	262	180	100	323	1560	208	705	250	113	111	106
22	169	213	474	100	255	1030	244	394	200	107	123	100
23	460	192	254	100	238	588	360	1080	180	111	123	97
24	230	174	182	671	227	464	875	623	170	119	104	205
25	181	156	160	696	219	426	530	342	170	117	99	143
26	166	145	147	412	203	390	331	265	160	123	97	172
27	152	138	145	331	204	324	297	227	150	379	104	117
28	133	852	130	209	202	490	262	607	160	133	109	111
29	119	526	130	181	195	1480	221	503	150	117	241	106
30	113	321	120	169	---	744	219	338	150	117	680	111
31	113	---	110	150	---	485	---	278	---	115	349	---
TOTAL	4658	8055	11403	5655	10420	16257	8932	11942	5421	6521	5370	3790
MEAN	150	269	368	182	359	524	298	385	181	210	173	126
MAX	460	852	1430	696	1380	1560	875	1080	380	700	680	205
MIN	94	126	110	100	120	180	197	190	139	107	97	97

CAL YR 1983 TOTAL 95949 MEAN 263 MAX 2390 MIN 94
WTR YR 1984 TOTAL 98424 MEAN 269 MAX 1560 MIN 94

03120500 McGUIRE CREEK BELOW LEESVILLE DAM, NEAR LEESVILLE, OH

LOCATION.--Lat 40°28'13", long 81°11'48", in E. 1/2 sec. 36, T.13 N., R.6 W., Carroll County, Hydrologic Unit 05040001, on left bank at outlet of Leesville Dam, 1.3 mi upstream from mouth, and 1.4 mi northeast of Leesville.

DRAINAGE AREA.--48.3 mi².

PERIOD OF RECORD.--October 1938 to current year. Published as McGuire Creek near Leesville 1938-39.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder and V-notch weir. Datum of gage is 915.00 ft National Geodetic Vertical Datum of 1929. Prior to May 27, 1942, nonrecording gage at site 100 ft upstream at present datum.

REMARKS.--Records good. Flow regulated by Leesville Lake (see station 03120000). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 54.3 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 740 ft³/s Mar. 4, 1940; maximum gage height, 7.88 ft Mar. 4, 1940 (backwater from Conotton Creek); no flow several days during 1939-41.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 281 ft³/s Apr. 9, gage height, 4.58 ft; minimum daily, 1.6 ft³/s Jan. 4, 14-17, Feb. 16-21, Mar. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	36	163	31	1.7	1.6	203	153	249	47	8.7	8.6
2	6.3	34	116	31	4.3	1.7	201	93	247	41	8.4	7.9
3	6.0	60	90	19	5.6	1.7	200	73	243	35	13	7.5
4	7.3	65	90	1.6	5.6	1.7	199	129	132	28	15	7.1
5	14	64	93	1.9	5.6	25	199	79	79	133	17	6.5
6	18	61	91	1.9	82	66	199	78	70	142	12	6.1
7	15	57	91	1.9	155	80	199	76	61	97	11	5.7
8	12	52	91	1.9	133	80	198	76	52	94	15	5.3
9	11	46	180	1.8	60	80	234	79	43	86	17	4.8
10	9.1	45	234	1.7	3.5	80	165	79	36	77	16	4.9
11	8.6	62	233	1.7	4.9	80	69	75	28	71	16	5.1
12	29	80	184	1.9	4.9	80	67	75	22	72	13	5.4
13	38	81	60	1.7	101	80	66	71	19	63	10	5.2
14	42	80	103	1.6	159	80	68	67	21	55	8.9	6.3
15	37	150	227	1.6	62	27	72	62	15	44	8.2	6.5
16	31	183	238	1.6	1.6	2.4	74	56	11	38	7.4	6.2
17	25	220	235	1.6	1.6	3.7	80	51	11	30	6.7	6.1
18	25	245	232	2.0	1.6	25	168	46	28	25	6.2	6.5
19	29	249	234	2.2	1.6	57	120	45	74	21	9.1	6.6
20	26	243	234	3.6	1.6	82	68	60	68	16	8.4	6.3
21	36	241	239	4.3	1.6	100	70	146	59	12	7.3	6.0
22	44	238	249	4.3	47	107	75	215	48	11	6.8	5.6
23	76	234	215	4.3	58	108	158	153	40	10	7.3	5.3
24	91	232	213	4.4	2.1	108	160	163	39	9.6	6.7	5.4
25	90	230	211	55	1.8	108	163	171	32	9.4	6.3	5.2
26	83	228	211	29	1.7	108	196	113	22	9.0	5.8	5.4
27	77	226	100	48	1.7	142	199	112	18	20	5.5	4.8
28	68	227	2.4	113	1.7	156	198	112	19	18	5.1	4.5
29	59	145	2.1	113	1.7	109	197	203	19	12	5.2	4.1
30	50	153	13	124	---	110	191	253	31	10	6.6	3.9
31	41	---	31	48	---	161	---	250	---	9.3	9.2	---
TOTAL	1110.9	4267	4705.5	660.5	913.4	2251.8	4456	3414	1837	1345.3	298.8	174.8
MEAN	35.8	142	152	21.3	31.5	72.6	149	110	61.2	43.4	9.64	5.83
MAX	91	249	249	124	159	161	234	253	249	142	17	8.6
MIN	6.0	34	2.1	1.6	1.6	1.6	66	45	11	9.0	5.1	3.9

CAL YR 1983 TOTAL 27212.8 MEAN 74.6 MAX 278 MIN 1.5
WTR YR 1984 TOTAL 25435.0 MEAN 69.5 MAX 253 MIN 1.6

BEST COPY AVAILABLE

03122500 TUSCARAWAS RIVER BELOW DOVER DAM, NEAR DOVER, OH

LOCATION.--Lat 40°31'47", long 81°25'48", in T.9 N., R.2 W., Tuscarawas County, Hydrologic Unit 05040001, on left bank at downstream side of bridge on State Highway 416, 2.2 mi downstream from Dover Dam, 1.5 mi east of Dover, and 3.4 mi upstream from Sugar Creek.

DRAINAGE AREA.--1,405 mi².

PERIOD OF RECORD.--October 1923 to current year. Published as Tuscarawas River near Dover 1923-39.

REVISED RECORDS.--WSP 803: 1933(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 861.51 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 30, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good. Diversion from basin at Portage Lakes (See REMARKS for stations 03116000 and 03117000). Records include diversion from Sugar Creek well field. Mean pumpage for the 1983 water year, 10.1 ft³/s (see REMARKS for station 03124500). Flow regulated by four flood-control reservoirs since 1936 at points 2.2 mi to 25 mi upstream (see stations 03119500, 03120000, 03121000, and 03122000). Water quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--61 years, 1,430 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft³/s Jan. 26, 1937, gage height, 15.51 ft; minimum daily, 6.5 ft³/s Oct. 26, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,390 ft³/s Mar. 22, gage height, 6.95 ft; maximum gage height, 8.23 ft. Jan. 26 (ice jam); minimum daily, 334 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	660	2190	1300	700	1000	4760	2020	2450	905	472	1100
2	345	828	1830	1200	700	950	4920	1680	2020	780	502	686
3	334	1360	1660	1200	1210	900	4760	1470	1770	759	640	589
4	362	1640	2640	1100	3490	850	4550	2700	1580	673	905	679
5	502	1350	4950	1100	2610	1100	4510	4080	1270	1780	876	602
6	520	1210	4770	940	1680	2300	4430	3460	1200	2490	773	533
7	472	1080	4960	880	1520	2660	4300	2400	1120	2490	621	490
8	419	969	4670	800	1240	2310	4050	2230	1020	2250	739	466
9	396	891	3700	740	1060	1880	3490	3540	926	1350	634	436
10	379	856	3270	690	1020	1860	2560	3550	835	1050	905	448
11	379	1280	2480	620	2020	1600	1870	2900	766	955	976	502
12	545	2690	3180	580	3110	1380	1640	2440	726	1020	849	472
13	835	2450	4230	530	2880	1200	1560	3100	692	919	647	454
14	898	1850	3910	500	4490	1100	1570	2820	800	807	576	533
15	787	1820	3650	470	5010	1000	1840	2380	800	732	520	564
16	666	2190	3400	450	4470	3070	1390	2010	719	759	490	502
17	551	2560	2950	420	3730	4700	1950	1660	666	692	460	442
18	514	2770	2250	400	3490	4770	1980	1450	712	673	448	425
19	759	2440	1990	390	2950	4520	2070	1350	1710	647	1010	407
20	679	2310	1820	370	2460	4380	1980	1490	1410	595	739	401
21	621	2280	1710	350	2040	4570	1790	3220	983	545	539	390
22	653	2030	2080	340	1730	5150	1660	4380	835	508	484	379
23	1220	1770	2610	340	1610	5230	2280	4260	759	484	520	352
24	1630	1670	2200	800	1490	5260	3700	4830	773	494	539	401
25	1270	1640	1400	2500	1360	5040	4320	4720	706	474	466	508
26	1030	1510	1100	2400	1250	4580	4140	4190	653	478	419	520
27	933	1400	1100	2400	1150	4360	3830	3630	621	828	396	520
28	862	2000	1100	2660	1130	4670	3390	2760	640	976	401	472
29	793	3530	1500	1630	1120	4430	2930	3180	640	640	472	458
30	726	3070	1500	1230	---	5090	2570	3400	739	526	712	419
31	673	---	1400	900	---	5040	---	2930	---	490	1810	---
TOTAL	21104	54104	82200	30230	62720	96950	91290	90230	30541	28769	20540	15150
MEAN	681	1803	2652	975	2163	3127	3043	2911	1018	928	663	505
MAX	1630	3530	4960	2660	5010	5260	4820	4830	2450	2490	1810	1100
MIN	334	660	1100	340	700	850	1560	1350	621	478	396	362

CAL YR 1983 TOTAL 592179 MEAN 1622 MAX 5480 MIN 334
WTR YR 1984 TOTAL 623828 MEAN 1704 MAX 5260 MIN 334

03124000 SUGAR CREEK BELOW BEACH CITY DAM, NEAR BEACH CITY, OH

LOCATION.--Lat 40°38'08", long 81°33'11", in T10 N., R.3 W., Tuscarawas County, Hydrologic Unit 05040001, on right bank 1,000 ft downstream from Beach City Dam, 0.4 mi downstream from South Fork, and 1.8 mi southeast of Beach City.

DRAINAGE AREA.--300 mi².

PERIOD OF RECORD.--October 1938 to current year. Published as Sugar Creek near Beach City prior to 1940.

REVISED RECORDS.--WSP 953: 1941.

GAGE.--Water-stage recorder. Datum of gage is 928.00 ft National Geodetic Vertical Datum of 1929. Prior to Mar. 23, 1939, nonrecording gage at site 500 ft downstream at datum 1 ft higher. Mar. 23, 1939, to Sept. 26, 1949, water-stage recorder at site 300 ft downstream at present datum.

REMARKS.--Records good except those for the winter period which are fair. Flood flow regulated by Beach City Lake. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 278 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,520 ft³/s July 6, 1969, gage height, 11.26 ft, from floodmark in well; no flow Oct. 7-30, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,900 ft³/s Feb. 15, gage height, 6.28 ft; minimum daily, 18 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	49	356	100	85	130	1680	327	341	92	71	255
2	20	79	258	90	80	130	963	272	285	100	309	136
3	19	264	219	85	237	130	543	258	245	104	337	112
4	19	345	455	80	1000	120	489	701	205	545	163	150
5	31	195	1550	75	987	190	552	998	179	806	108	114
6	46	142	1350	70	389	698	544	665	204	879	127	89
7	39	115	1050	70	194	815	530	456	180	566	245	75
8	28	97	727	65	130	510	459	487	147	307	583	68
9	22	84	484	65	110	315	386	938	127	209	595	62
10	19	78	396	60	199	250	339	817	116	187	500	61
11	18	171	366	60	775	230	300	547	104	218	400	72
12	29	506	538	60	1310	220	271	467	95	147	300	65
13	54	327	881	55	719	210	256	429	92	119	180	57
14	59	219	653	55	1110	210	262	351	139	109	120	71
15	51	182	513	55	1680	200	420	304	131	141	100	97
16	38	314	422	50	1050	868	514	255	101	112	90	70
17	29	335	329	50	618	1370	562	222	92	98	78	57
18	30	265	230	48	578	1410	512	200	95	90	74	50
19	66	222	170	48	547	1550	451	193	192	77	132	47
20	72	245	150	46	482	1090	381	236	205	71	126	46
21	55	262	140	46	393	1210	331	721	205	56	81	43
22	67	261	305	46	324	1560	302	1120	154	60	67	43
23	280	204	500	46	280	1640	567	883	142	58	89	42
24	358	188	325	167	254	1620	929	1190	191	57	86	46
25	179	174	170	1050	236	1600	1360	958	147	60	67	67
26	113	149	140	997	206	1560	1100	534	112	172	57	64
27	89	131	130	644	188	1610	649	391	97	148	51	57
28	76	382	142	316	142	1680	563	415	95	85	48	55
29	59	1020	306	191	139	1370	448	628	88	64	55	50
30	53	609	276	143	---	1680	381	548	88	57	126	48
31	48	---	120	116	---	1720	---	419	---	53	536	---
TOTAL	2086	7634	13651	5049	14442	27886	17044	16930	4593	5857	5901	2259
MEAN	67.3	254	440	163	498	900	568	546	153	189	190	75.6
MAX	358	1020	1550	1050	1680	1720	1680	1190	341	879	595	255
MIN	18	49	120	46	80	120	256	193	88	53	48	42

CAL YR 1983 TOTAL 107006 MEAN 293 MAX 1850 MIN 16
WTR YR 1984 TOTAL 123342 MEAN 337 MAX 1720 MIN 18

03124500 SUGAR CREEK AT STRASBURG, OH

LOCATION.--Lat 40°35'15", long 81°31'24", in NW 1/4 sec. 1, T.9 N., R.3 W., Tuscarawas County, Hydrologic Unit 05040001, on left bank 150 ft upstream from bridge on State Highway 21, 0.8 mi upstream from Broad Run, and 0.1 mi southeast of Strasburg.

DRAINAGE AREA.--311 mi².

PERIOD OF RECORD.--August 1931 to March 1933, January 1935 to July 1939, October 1961 to current year.

REVISED RECORDS.--WSP 1305: 1932-33(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 896.24 ft National Geodetic Vertical Datum of 1929. July 29, 1931, to Mar. 31, 1933, and Dec. 10, 1934, to July 31, 1939, nonrecording gage, and Oct. 1, 1961, to May 26, 1964, water-stage recorder at datum 2.00 ft higher.

REMARKS.--Records good except those for the winter period which are fair. Flood flow regulated by Beach City Lake 5.0 mi upstream, since August 1937. Part of municipal water supply for city of Canton, starting May 1962, is pumped from well field 4.3 mi upstream; pumpage is returned to Nimishillen Creek. Mean pumpage for water year 1984, 15.7 ft³/s. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--27 years (1931-32, 1935-38, 1961-84), 315 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft³/s Aug. 7, 1935, gage height, 14.70 ft (present datum), from rating curve extended above 8,400 ft³/s; no flow all or part of each day Sept. 29 to Nov. 6, 1963, Sept. 20, Dec. 3, 4, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,100 ft³/s Feb. 15, gage height, 5.57 ft; minimum daily, 22 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	50	416	120	110	150	1880	398	415	108	63	309
2	23	72	299	100	90	140	1130	335	356	110	64	162
3	23	240	255	90	228	130	621	312	305	138	244	123
4	23	373	447	85	990	130	559	723	260	115	408	167
5	30	216	1620	80	1100	213	613	1090	230	402	249	132
6	44	157	1490	80	475	691	613	756	252	853	169	101
7	41	124	1100	75	238	905	660	539	236	915	120	84
8	33	103	775	70	150	584	536	532	195	751	150	74
9	26	88	528	70	130	356	457	990	169	415	324	58
10	23	92	436	65	218	280	405	903	152	267	696	65
11	22	158	402	60	728	250	363	625	136	216	600	73
12	28	515	539	60	1440	240	327	528	125	258	439	69
13	51	366	910	60	814	230	305	501	122	195	265	62
14	57	242	700	55	1170	220	312	412	171	148	182	69
15	53	200	555	55	1840	210	457	363	173	129	142	99
16	41	310	468	50	1200	889	575	305	132	150	115	74
17	34	366	372	50	682	1510	617	267	120	144	94	59
18	32	288	250	50	630	1540	580	249	131	111	82	52
19	56	240	190	48	604	1700	528	244	794	106	134	49
20	75	256	160	48	547	1240	450	276	775	94	150	47
21	56	290	150	46	453	1370	395	760	335	84	94	45
22	65	287	301	46	382	1730	363	1280	213	78	75	43
23	254	228	543	44	327	1810	517	985	173	73	91	42
24	390	206	350	113	298	1790	990	1330	223	69	98	44
25	201	195	182	947	271	1770	1510	1120	184	67	77	65
26	123	167	160	1070	246	1720	1250	630	135	67	65	62
27	95	145	140	714	223	1750	732	471	118	136	59	65
28	82	336	162	388	182	1950	638	471	110	204	56	56
29	64	1060	283	230	156	1530	528	687	105	111	58	50
30	57	690	327	175	---	1860	457	638	98	91	123	47
31	52	---	178	132	---	1920	---	501	---	69	567	---
TOTAL	2177	8050	14688	5276	15922	30808	19408	19218	6945	6664	6053	2447
MEAN	70.2	268	474	170	549	994	647	620	232	215	195	81.6
MAX	390	1060	1620	1070	1840	1950	1880	1330	794	915	696	309
MIN	22	50	140	44	90	130	305	244	98	67	56	42

CAL YR 1983 TOTAL 114129 MEAN 313 MAX 1950 MIN 20
WTR YR 1984 TOTAL 137656 MEAN 376 MAX 1950 MIN 22

03126000 STILLWATER CREEK AT PIEDMONT, OH

LOCATION.--Lat 40°11'41", long 81°12'56", in sec. 35, T.10 N., R.6 W., Harrison County, Hydrologic Unit 05040001, on left bank 400 ft downstream from outlet of Piedmont Dam and Boggs Fork, and 0.7 mi northwest of Piedmont.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to February 1939 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WRD-OH-81-1: 1980 (M) (m).

GAGE.--Water-stage recorder. Datum of gage is 872.00 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 9, 1949, at site 1,000 ft downstream at datum 1.00 ft higher.

REMARKS.--Records fair. Flow regulated by Piedmont Lake. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 138 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,470 ft³/s Dec. 4, 1950; maximum gage height, 11.44 ft Mar. 5, 1963; minimum daily discharge, 0.2 ft³/s Sept. 3, 4, 10, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 769 ft³/s Dec. 12, gage height, 7.65 ft; minimum daily, 7.9 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	47	316	145	89	38	415	445	396	49	15	18
2	8.3	46	308	145	76	38	426	448	391	51	19	14
3	8.3	106	306	145	118	36	468	415	371	46	24	14
4	11	91	344	114	135	36	461	404	253	45	30	14
5	28	77	227	101	107	96	359	398	107	56	25	13
6	22	71	317	102	191	150	468	280	102	70	22	13
7	15	65	370	99	232	173	467	177	98	73	20	11
8	12	57	398	96	229	220	462	128	93	52	19	11
9	11	54	444	94	170	150	350	159	89	51	19	11
10	11	55	465	93	101	130	197	179	82	46	30	11
11	11	141	458	90	103	130	125	170	76	57	24	9.8
12	27	178	507	80	110	130	124	220	68	100	23	9.1
13	29	130	249	67	188	130	160	210	61	79	20	9.3
14	35	108	185	67	278	142	137	260	56	69	17	16
15	23	278	234	66	223	98	158	181	51	53	15	15
16	19	404	406	64	129	111	217	269	47	57	14	13
17	17	374	497	65	82	110	311	229	46	48	13	12
18	19	360	482	64	75	80	344	136	45	42	13	11
19	43	351	473	63	75	66	338	119	62	39	15	11
20	37	343	537	61	73	59	338	123	53	35	14	9.9
21	54	376	558	60	63	110	330	131	48	32	12	8.9
22	59	388	515	59	56	173	352	129	43	28	11	8.7
23	163	381	365	50	53	156	349	206	40	24	23	8.6
24	139	378	219	106	50	144	330	228	39	22	17	13
25	94	314	159	181	50	153	267	176	35	19	15	15
26	83	270	120	255	46	196	330	155	31	18	14	12
27	79	238	117	253	44	202	408	145	28	24	13	11
28	72	297	153	236	42	264	398	167	28	19	12	10
29	62	283	173	231	40	295	384	280	25	17	13	11
30	54	309	177	172	---	274	415	282	28	16	15	10
31	50	---	152	138	---	329	---	326	---	15	21	---
TOTAL	1303.5	6570	10231	3562	3228	4419	9589	7175	2892	1372	557	354.3
MEAN	42.0	219	330	115	111	143	330	231	96.4	44.3	18.0	11.8
MAX	163	404	558	255	273	329	468	448	396	100	30	18
MIN	7.9	46	117	50	40	36	124	119	26	15	11	8.6

CAL YR 1983 TOTAL 58578.2 MEAN 160 MAX 889 MIN 6.3
WTR YR 1984 TOTAL 51551.8 MEAN 141 MAX 558 MIN 7.9

03127000 STILLWATER CREEK AT TIPPECANOE, OH

LOCATION.--Lat 40°16'13", long 81°17'26", in NW 1/4 sec. 22, T.12 N., R.7 W., Harrison County, Hydrologic Unit 05040001, on left bank at downstream side of highway bridge at Tippecanoe, 0.4 mi downstream from Brushy Fork, 3.6 mi upstream from Weaver Run, 6 mi upstream from Laurel Creek, and 9 mi south of Dennison.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to January 1939 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 849.00 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 9, 1939, nonrecording gage at same site and datum.

REMARKS.--Records fair. Flow regulated by Clendening Lake on Brushy Fork, 1.9 mi upstream, and Piedmont Lake, 16 mi upstream. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 324 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,410 ft³/s Mar. 7, 1945, Mar. 5, 1963; maximum gage height, 17.29 ft Mar. 5, 1963; minimum daily discharge, 1.1 ft³/s Oct. 4, 1939.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,380 ft³/s Dec. 12, gage height, 12.27 ft; minimum daily, 11 ft³/s Sept. 21-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	122	749	249	229	110	1000	885	851	57	26	35
2	14	116	682	217	138	110	976	775	736	102	28	28
3	14	297	657	292	235	100	993	657	558	88	41	26
4	16	403	934	289	417	100	1010	729	497	96	81	24
5	39	296	982	206	346	184	950	692	259	107	95	22
6	78	235	853	208	430	656	948	595	219	143	81	20
7	54	201	890	207	609	786	987	481	203	193	73	19
8	39	173	864	192	494	760	942	343	192	151	62	17
9	30	151	879	160	334	554	924	451	175	130	56	16
10	25	147	921	137	256	310	514	473	156	108	74	16
11	24	346	925	145	257	280	358	415	139	107	79	15
12	61	654	1220	164	313	270	327	486	119	170	62	14
13	116	530	1260	147	465	260	352	538	104	172	51	13
14	132	392	1070	142	864	260	350	556	99	145	42	18
15	110	481	949	138	854	308	426	548	87	120	34	24
16	81	925	871	119	499	416	581	406	79	104	28	20
17	63	942	1230	113	313	518	805	521	74	98	25	16
18	60	842	1230	110	268	361	998	366	73	72	24	15
19	114	776	1190	105	260	273	986	275	120	54	30	14
20	133	733	1070	102	265	228	938	273	109	57	31	13
21	149	733	926	102	216	400	879	294	91	50	26	11
22	184	750	933	95	177	829	940	285	78	45	24	11
23	534	728	991	91	157	804	1150	662	69	39	31	11
24	607	718	684	193	146	661	1280	982	64	33	38	11
25	387	664	495	549	140	575	1120	712	61	30	31	14
26	281	554	303	615	128	623	908	743	53	27	29	17
27	242	527	251	582	120	696	930	663	47	42	25	14
28	215	711	339	480	119	765	919	472	42	46	23	13
29	182	919	631	454	110	998	948	823	41	34	23	14
30	153	839	482	408	---	1000	947	851	43	30	25	14
31	133	---	363	322	---	904	---	834	---	27	34	---
TOTAL	4284	15897	25824	7333	9159	15109	24986	17786	5437	2677	1332	515
MEAN	138	530	833	237	316	487	833	574	181	86.4	43.0	17.2
MAX	607	942	1260	615	864	1000	1280	982	851	193	95	35
MIN	14	116	251	91	110	100	327	273	41	27	23	11

CAL YR 1983 TOTAL 149463 MEAN 409 MAX 2030 MIN 12
WTR YR 1984 TOTAL 130339 MEAN 356 MAX 1280 MIN 11

03127500 STILLWATER CREEK AT UHRICHSVILLE, OH

LOCATION.--Lat 40°23'10", long 81°20'50", Tuscarawas County, Hydrologic Unit 05040001, on left bank at concrete dam of Dennison Water Supply Co. at Uhrichsville, 2.2 mi upstream from Little Stillwater Creek.

DRAINAGE AREA.--357 mi².

PERIOD OF RECORD.--July 1922 to current year.

REVISED RECORDS.--WSP 853: Drainage area. WSP 1113: 1923-24, 1926-31, 1932(M), 1933-35.

GAGE.--Water-stage recorder above concrete dam. Datum of gage is 839.37 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1936, nonrecording gage at site 1.7 mi upstream at same datum. Auxiliary water-stage recorder below concrete dam at datum 10.00 ft lower.

REMARKS.--Records fair. Flow regulated by Piedmont Lake, 35 mi upstream, and Clendening Lake on Brushy Fork, 22 mi upstream, beginning in 1938. Water is diverted from Dennison water-supply dam 1.7 mi upstream from station for municipal supply of cities of Dennison and Uhrichsville; diversion not included in figures of daily discharge. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--62 years, 435 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,650 ft³/s Aug. 8, 9, 1935, gage height, 14.2 ft at former site, 12.8 ft at present site; no flow at times in 1930, 1932, 1936, 1939-40, 1953, 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 17.5 ft at former site, and about 15.5 ft at present site.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,800 ft³/s May 24, (backwater from Tuscarawas River), maximum gage height, 4.04 ft May 24; minimum daily discharge, 13 ft³/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	141	922	310	364	150	1230	994	971	64	31	42
2	13	135	813	283	241	150	1210	974	936	107	31	36
3	13	233	754	276	260	140	1160	822	744	127	49	31
4	24	459	1060	367	571	140	1170	919	602	117	123	28
5	23	406	1200	307	558	216	1240	913	476	192	160	25
6	60	316	1100	264	450	770	1180	830	302	243	133	22
7	73	266	1000	261	630	993	1200	676	264	310	103	20
8	47	226	1000	247	661	989	1170	556	246	272	87	19
9	29	195	987	230	482	872	1090	525	232	200	72	18
10	18	178	1010	184	386	556	942	572	217	156	67	19
11	15	307	1030	139	367	428	584	557	206	177	96	19
12	25	747	1400	144	444	374	450	544	185	305	93	19
13	115	725	1400	202	546	378	420	689	161	250	71	18
14	123	545	1200	177	1120	397	465	633	151	214	58	22
15	127	454	1100	165	1000	463	518	712	141	174	48	29
16	87	862	1010	153	1030	631	515	552	123	145	39	29
17	49	1060	1150	136	637	963	874	532	109	123	32	24
18	37	999	1260	129	486	745	1100	541	106	104	29	20
19	44	899	1260	123	441	542	1210	391	138	94	30	19
20	104	841	1220	102	445	425	1160	343	166	74	34	17
21	111	808	1090	146	390	611	1090	419	133	65	34	18
22	151	814	1090	143	324	1270	1030	455	110	50	30	18
23	393	806	1260	128	274	1200	1360	1030	95	50	28	17
24	786	795	1020	182	248	1100	1700	1800	85	43	34	20
25	577	771	593	558	231	906	1500	1200	84	37	41	18
26	381	663	390	703	213	853	1300	1020	74	35	35	17
27	299	588	338	731	190	873	1200	887	63	44	33	21
28	262	739	340	633	170	940	1140	745	55	54	28	19
29	224	1100	596	547	160	1440	1050	994	54	50	27	16
30	187	1000	665	508	---	1500	983	1140	54	39	30	16
31	157	---	401	432	---	1380	---	1030	---	34	33	---
TOTAL	4567	18078	29659	8910	13319	22395	31241	23995	7283	3947	1739	656
MEAN	147	603	957	287	459	722	1041	774	243	127	56.1	21.9
MAX	786	1100	1400	731	1120	1500	1700	1800	971	310	160	42
MIN	13	135	338	102	160	140	420	343	54	34	27	16
(+)	1.97	2.06	1.99	2.05	2.00	1.99	1.98	1.87	2.00	1.90	1.96	1.86

CAL YR 1983 TOTAL 188474.0 MEAN 516 MAX 2900 MIN 7.5 (+) 1.75
WTR YR 1984 TOTAL 165789.0 MEAN 453 MAX 1800 MIN 13 (+) 1.97

+ Diversion, in cubic feet per second, for municipal supply of cities of Dennison and Uhrichsville, furnished by Dennison Water Supply Company.

03128500 LITTLE STILLWATER CREEK BELOW TAPPAN DAM, AT TAPPAN, OH

LOCATION.--Lat 40°21'25", long 81°13'49", in NW 1/4 sec. 4, T.13 N., R.7 W., Harrison County, Hydrologic Unit 05040001, on right bank 150 ft downstream from outlet of lake at Tappan Dam, 1 mi west of Tappan, and 2 mi upstream from Plum Run.

DRAINAGE AREA.--71.1 mi².

PERIOD OF RECORD.--October 1938 to current year. Published as Little Stillwater Creek at Tappan 1938-39.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 861.00 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 30, 1939, water-stage recorder at gate house of Tappan Dam at datum 9 ft higher. Jan. 30 to Mar. 24, 1939, nonrecording gage and Mar. 25, 1939, to Aug. 6, 1944, water-stage recorder, at site 150 ft downstream at present datum.

REMARKS.--Records poor. Flow completely regulated by Tappan Lake. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 77.9 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,050 ft³/s Mar. 13, 1939, gage height, 10.00 ft; no flow Sept. 12-15, 18, 19, 21-29, Oct. 13-21, 1939.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 541 ft³/s May 30, gage height, 6.34 ft; minimum daily, 0.94 ft³/s Feb. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	211	122	47	103	2.8	384	110	240	28	11	11
2	.96	303	145	42	26	2.8	410	72	79	28	13	11
3	2.4	287	156	47	25	3.0	413	77	75	22	20	10
4	4.2	287	160	47	25	3.0	428	86	68	19	23	9.5
5	3.5	287	156	49	25	3.0	215	89	70	28	24	9.3
6	3.1	287	156	51	129	3.1	42	94	64	28	22	8.6
7	3.1	284	156	51	208	3.1	91	160	60	28	20	8.0
8	2.8	284	194	52	137	3.1	99	119	52	22	20	7.5
9	2.6	284	213	22	43	3.1	199	86	46	18	19	7.1
10	2.5	280	211	14	37	3.1	231	89	38	18	19	6.7
11	2.5	284	207	25	28	3.3	75	110	33	17	17	6.7
12	5.0	284	211	25	28	3.3	75	70	31	18	16	6.9
13	6.4	284	211	26	107	3.3	77	70	25	20	15	6.6
14	7.5	280	176	25	161	3.3	82	163	19	19	13	6.4
15	7.8	280	165	25	240	3.3	86	207	16	17	12	6.0
16	7.8	287	211	19	73	3.4	152	104	23	17	11	5.6
17	7.5	271	207	18	.94	3.5	195	16	20	18	11	5.3
18	10	244	206	11	1.2	3.8	223	58	25	18	10	4.7
19	16	231	207	8.1	1.3	3.8	315	77	43	17	14	4.3
20	18	231	207	7.8	1.2	3.6	156	79	36	16	13	3.9
21	24	211	207	7.8	1.2	4.3	72	244	35	16	11	3.5
22	26	156	269	7.5	2.4	14	84	160	28	16	11	3.3
23	51	128	235	7.4	3.0	41	295	107	23	16	12	2.9
24	56	125	122	23	2.8	56	440	128	18	15	11	3.5
25	54	125	122	94	2.9	56	356	271	16	12	10	4.2
26	52	125	122	189	2.8	79	219	368	16	11	9.4	4.7
27	49	122	119	150	2.8	98	174	368	15	17	8.5	5.0
28	43	122	67	10	2.8	147	156	387	14	16	8.0	5.2
29	36	122	32	10	2.8	121	152	472	12	15	7.6	5.1
30	33	122	49	64	---	120	149	532	17	13	9.5	4.9
31	32	---	47	165	---	242	---	532	---	12	11	---
TOTAL	570.65	6828	5068	1339.6	1423.14	1043.0	6085	5505	1257	575	432.0	187.4
MEAN	18.4	228	163	43.2	49.1	33.6	203	178	41.9	18.5	13.9	6.25
MAX	56	303	269	189	240	242	440	532	240	28	24	11
MIN	.96	122	32	7.4	.94	2.8	72	16	12	11	7.6	2.9

CAL YR 1983 TOTAL 34725.85 MEAN 95.1 MAX 594 MIN .96
WTR YR 1984 TOTAL 30313.79 MEAN 82.8 MAX 532 MIN .94

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03129000 TUSCARAWAS RIVER AT NEWCOMERSTOWN, OH

LOCATION.--Lat 40°15'41", long 81°36'33", in T.5 N., R.3 W., Tuscarawas County, Hydrologic Unit 05040001, on right bank 150 ft upstream from highway bridge, 0.2 mi south of Newcomerstown, 2 mi upstream from Buckhorn Creek, and 4 mi downstream from Dunlap Creek.

DRAINAGE AREA.--2,443 mi².

PERIOD OF RECORD.--September 1921 to current year.

REVISED RECORDS.--WSP 728: 1929(M). WSP 873: 1935. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 28, 1925, and July 18, 1935, to Feb. 13, 1939, nonrecording gage, Sept. 28, 1925, to July 17, 1935, water-stage recorder at site 1.5 mi upstream at datum 5.03 ft higher prior to Oct. 1, 1934, and 0.03 ft higher Oct. 1, 1934, to Feb. 13, 1939.

REMARKS.--Records good except those for the winter period which are fair. Diversion from basin at Portage Lakes (see REMARKS for station 03117000). Flow regulated by eight flood-control reservoirs at points 40 mi to 64 mi upstream. Water-quality data collected at this site 1946 to 1949, 1955 to 1977.

AVERAGE DISCHARGE.--63 years, 2,550 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,800 ft³/s Jan. 26, 1937, gage height, 20.65 ft, site and datum then in use; minimum daily, 170 ft³/s Aug. 6, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 21.5 ft, at site and datum used prior to Oct. 1, 1934, discharge, 83,000 ft³/s computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft³/s Mar. 29, gage height, 7.99 ft; minimum daily, 392 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	425	979	4550	2540	1610	1620	9140	4550	5400	1390	766	2450
2	414	1270	3600	2080	1390	1500	8940	3890	4450	1420	736	1410
3	392	2000	3200	1990	1620	1500	8060	3440	3750	1250	1030	1010
4	412	2840	4460	1930	3970	1400	7730	4130	3270	1210	1400	990
5	567	2660	7860	1900	5310	1400	7510	6320	2830	3360	1650	1010
6	660	2200	8800	1870	3560	1910	7450	6430	2350	4750	1440	895
7	684	1950	8280	1820	2730	3500	7150	4950	2240	5060	1170	775
8	610	1750	7780	1740	2650	4740	6910	4190	2040	4410	1070	703
9	531	1600	6890	1600	2110	4550	6260	4940	1860	3130	1290	651
10	497	1550	5930	1470	1840	2990	5570	5880	1710	2150	1550	622
11	462	2000	5170	1300	2180	2490	3960	5330	1570	1950	2180	647
12	637	3900	6020	1100	4720	2160	3160	4360	1460	2050	1600	731
13	1030	4610	7950	1000	5090	2000	3010	4590	1370	1950	1470	652
14	1220	3500	7860	920	7140	1900	2920	4720	1370	1650	1130	653
15	1150	3050	6970	860	8920	1800	3170	4400	1420	1470	966	755
16	999	3630	6270	800	8870	6860	3700	3790	1320	1400	850	779
17	819	4480	5680	750	6680	7890	4250	3130	1180	1350	771	687
18	712	4690	5070	700	5450	7470	4540	2770	1120	1230	714	613
19	839	4390	4490	680	5040	7100	4740	2500	2230	1160	1000	578
20	1010	3970	4180	640	4390	7130	4570	2440	3220	1070	1540	553
21	1010	3920	3800	620	3800	9550	4020	3930	2180	933	1060	556
22	1040	3720	4170	600	3190	9820	3780	6550	1590	910	836	556
23	1950	3280	5250	580	2710	9550	4680	8350	1350	850	795	551
24	3260	3050	4710	1100	2500	9160	7310	9660	1280	897	821	590
25	2770	2940	2900	3000	2310	8790	9260	9040	1260	792	804	601
26	2010	2730	2200	4260	2130	8870	8900	7560	1130	776	693	752
27	1660	2460	2200	4200	1970	7770	7530	6380	1030	910	817	750
28	1450	3160	2300	4620	1850	9680	6390	5490	1010	1490	586	762
29	1290	5460	2500	2920	1790	9910	5740	5960	1000	1320	581	672
30	1130	6030	2800	2240	---	9880	5360	6560	1110	970	716	636
31	1030	---	2800	2080	---	9670	---	6100	---	824	1750	---
TOTAL	32690	93769	156720	53910	107720	172760	175710	162350	59100	54082	33782	23590
MEAN	1055	3126	5055	1739	3714	5573	5857	5237	1970	1745	1090	786
MAX	3260	6030	8800	4620	8920	9910	9260	9660	5400	5060	2180	2450
MIN	392	979	2200	580	1390	1400	2920	2440	1000	776	581	556

CAL YR 1983 TOTAL 1127518 MEAN 3089 MAX 12500 MIN 392
WTR YR 1984 TOTAL 1126173 MEAN 3077 MAX 9910 MIN 392

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03130000 BLACK FORK BELOW CHARLES MILL DAM, NEAR MIFFLIN, OH

LOCATION.--Lat 40°44'16", long 82°21'48", in NE 1/4 sec. 35, T.23 N., R.17 W., Ashland County, Hydrologic Unit 05040002, on left bank 700 ft downstream from Charles Mill Dam, 2.5 mi south of Mifflin, and 4 mi upstream from Rocky Fork.

DRAINAGE AREA.--217 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1940, published as Black Fork near Mifflin. Monthly discharge only for October 1938, published in WSP 1305.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 981.56 ft National Geodetic Vertical Datum of 1929. Dec. 3, 1941, to Dec. 5, 1944, water-stage recorder at site 300 ft downstream at same datum.

REMARKS.--Records fair. Flow regulated by Charles Mill Lake (see station 03129500). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 201 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,800 ft³/s Mar. 13, 1964 from rating curve extended above 1,900 ft³/s; maximum gage height, 8.45 ft Mar. 14, 1939; minimum daily discharge, 0.5 ft³/s Nov. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a discharge of 11,700 ft³/s, computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,290 ft³/s Apr. 4, gage height, 5.84 ft; minimum daily, 14 ft³/s Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	60	520	143	127	168	1230	484	252	45	35	23
2	25	102	540	141	121	158	1200	381	221	42	37	23
3	23	205	496	139	143	152	1240	324	169	42	50	25
4	24	270	488	137	141	149	1280	330	99	41	51	24
5	30	324	516	133	187	149	1260	322	85	47	47	22
6	35	358	590	131	350	149	1210	318	85	50	43	21
7	58	354	670	127	480	151	1170	304	85	57	39	19
8	131	310	736	123	471	192	1130	307	81	57	38	17
9	141	257	760	121	370	213	1140	319	55	57	38	16
10	119	192	717	117	307	208	1120	331	37	58	39	22
11	80	187	625	113	335	205	945	326	31	50	45	31
12	45	219	568	110	425	189	537	361	32	58	43	39
13	45	276	552	104	638	177	459	440	39	55	40	38
14	42	374	556	99	908	168	358	523	57	52	37	71
15	43	461	548	94	1030	158	337	555	54	48	32	97
16	48	480	516	89	1130	168	319	530	54	47	29	58
17	49	457	447	85	1180	354	334	455	52	41	27	25
18	51	452	366	72	1090	811	354	367	59	40	25	24
19	52	471	300	55	930	1070	354	303	104	34	26	23
20	49	471	251	44	775	1010	356	281	117	32	23	23
21	47	443	219	43	665	175	335	342	76	32	24	22
22	55	408	205	42	544	251	324	437	43	30	25	20
23	75	374	192	34	429	869	400	585	35	28	29	20
24	143	358	184	28	332	1240	563	648	39	27	26	22
25	192	343	175	65	290	1230	734	643	40	26	24	22
26	213	335	168	99	242	1230	930	585	41	26	20	25
27	208	314	165	110	208	1220	827	494	43	42	15	21
28	156	339	163	117	200	1220	751	415	43	43	14	22
29	110	386	158	117	180	1229	655	364	45	44	16	22
30	99	461	149	119	---	1240	572	320	45	41	23	22
31	75	---	145	121	---	1260	---	287	---	37	24	---
TOTAL	2489	10041	12685	3072	14228	7174	22324	12681	2219	1339	984	849
MEAN	80.3	335	409	99.1	491	554	744	409	74.0	43.2	31.7	28.3
MAX	213	480	760	143	1180	1260	1280	648	252	50	51	97
MIN	23	60	145	28	121	149	319	281	31	26	14	16

CAL YR 1983 TOTAL 75102 MEAN 206 MAX 905 MIN 13
WTR YR 1984 TOTAL 100085 MEAN 273 MAX 1280 MIN 14

03131500 BLACK FORK AT LOUDONVILLE, OH

LOCATION.--Lat 40°38'09", long 82°14'22", in NW 1/4 sec. 1, T.19 N., R.16 W., Ashland County, Hydrologic Unit 05040002, on right bank at downstream side of bridge on State Highway 3 at Loudonville, 1.5 mi downstream from Big Run.

DRAINAGE AREA.--349 mi².

PERIOD OF RECORD.--May 1931 to current year.

REVISED RECORDS.--WSP 873: 1935. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 929.16 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records fair. Flow regulated since 1936 by Charles Mill Lake, 16 mi upstream from station. Records include diversion from Clear Fork Reservoir which enters the Black Fork drainage as sewage effluent from the city of Mansfield (see REMARKS for station 03133500). Water-quality data collected at this site 1958, 1968 to 1977.

AVERAGE DISCHARGE.--53 years, 352 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,460 ft³/s July 5, 1969, gage height, 14.11 ft, from rating curve extended above 4,000 ft³/s on basis of contracted-opening measurement of peak flow; minimum daily, 29 ft³/s Aug. 7, 8, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,150 ft³/s Mar. 21, gage height, 11.82 ft; minimum daily, 82 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	138	656	220	200	280	1560	704	436	126	103	109
2	84	171	684	210	241	260	1490	587	397	122	103	102
3	83	463	646	210	1210	240	1470	546	354	122	161	116
4	82	412	1030	210	705	230	1570	835	248	122	148	146
5	113	444	976	210	378	327	1740	607	215	152	122	104
6	136	499	926	210	436	444	1640	561	217	141	113	100
7	106	497	1020	200	584	375	1530	524	204	154	113	95
8	157	447	952	200	595	340	1420	653	194	135	114	84
9	214	370	961	190	528	310	1370	668	188	134	125	90
10	192	308	929	180	527	300	1390	610	159	143	144	207
11	173	510	822	170	986	290	1160	568	145	140	129	132
12	116	448	935	170	800	280	891	867	147	119	120	123
13	112	410	785	160	940	280	694	687	148	122	110	120
14	145	494	733	150	1880	280	618	750	269	118	108	149
15	113	600	720	140	1360	365	726	749	180	114	102	170
16	109	704	674	140	1300	1980	805	724	168	115	98	150
17	109	681	588	130	1320	1430	635	641	163	109	95	97
18	119	624	495	130	1260	1090	886	558	167	103	93	92
19	157	662	419	130	1100	1350	632	490	357	101	209	89
20	123	691	362	120	898	1690	805	546	249	98	106	88
21	124	645	321	110	750	4430	563	1080	207	99	95	97
22	197	565	431	110	632	2540	742	752	156	99	98	95
23	345	520	333	125	536	1360	1130	1160	137	94	127	94
24	240	610	280	236	453	1820	1400	993	141	95	100	99
25	303	489	260	377	436	1770	1170	893	131	96	94	93
26	312	458	250	360	376	1900	1160	811	128	96	90	109
27	317	432	250	396	331	1760	1180	696	126	198	86	99
28	278	809	240	258	318	1730	1080	650	131	121	87	99
29	195	652	240	230	301	1990	919	713	127	112	90	98
30	177	611	230	210	---	1700	817	545	127	108	190	94
31	161	---	230	200	---	1640	---	492	---	105	186	---
TOTAL	5181	15404	18378	6092	21381	34781	32593	21657	6016	3753	3659	3320
MEAN	167	513	593	197	737	1122	1086	699	201	121	118	111
MAX	345	809	1030	396	1880	4430	1740	1160	436	198	209	207
MIN	82	138	230	110	200	230	563	492	126	94	86	84

CAL YR 1983 TOTAL 128975 MEAN 353 MAX 1520 MIN 81
WTR YR 1984 TOTAL 172215 MEAN 471 MAX 4430 MIN 82

BEST COPY AVAILABLE

03133500 CLEAR FORK BELOW PLEASANT HILL DAM, NEAR PERRYSVILLE, OH

LOCATION.--Lat 40°37'13", long 82°19'28", in NE 1/4 sec. 7, T.19 N., R.16 W., Ashland County, Hydrologic Unit 05040002, on right bank 0.2 mi downstream from Pleasant Hill Dam, 2.8 mi south of Perrysville, and 4.7 mi upstream from the confluence of Clear Fork and Black Fork.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--October 1938 to current year. Published as Clear Fork near Perrysville prior to 1940. Monthly discharge only for October 1938, published in WSP 1305.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 967.00 ft National Geodetic Vertical Datum of 1929. Prior to May 1, 1947, water-stage recorder at site 0.5 mi downstream at datum 4.88 ft lower.

REMARKS.--Records good. Flow regulated by Pleasant Hill Lake. Water diverted from Clear Fork Reservoir (upstream from Pleasant Hill Lake) for municipal supply of city of Mansfield since 1953; mean pumpage for 1984 water year 10.0 ft³/s returned to Rocky Fork as sewage effluent. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 199 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 ft³/s Jan. 23, 1959, gage height, 4.89 ft; minimum daily, 0.6 ft³/s Nov. 2, 4, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft³/s Mar. 23, gage height 3.96 ft; minimum daily, 35 ft³/s Oct. 1, 2, Aug. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	36	338	78	68	318	756	315	262	52	39	55
2	35	36	213	78	58	246	793	296	231	50	40	51
3	36	47	157	78	158	155	959	283	206	59	47	49
4	36	55	157	78	337	155	886	470	183	58	56	48
5	36	58	246	78	334	116	987	400	166	53	53	43
6	36	58	311	78	507	224	970	380	154	55	49	39
7	36	56	459	78	577	321	845	380	143	58	46	36
8	36	54	620	78	400	321	550	343	131	65	49	37
9	36	51	619	78	141	225	427	463	120	51	51	38
10	36	50	608	78	113	182	335	451	114	61	55	42
11	36	76	598	78	127	184	314	371	106	60	54	44
12	36	136	592	74	130	127	295	356	98	57	49	42
13	36	130	589	58	371	87	285	393	96	54	44	39
14	37	114	457	53	818	87	274	408	110	52	40	47
15	37	146	313	53	851	102	319	338	112	50	38	45
16	36	154	234	53	909	409	395	271	103	50	37	40
17	36	161	214	53	735	772	321	252	96	47	38	36
18	36	160	214	53	471	782	406	233	95	45	36	37
19	36	150	157	54	412	849	416	224	105	42	37	38
20	36	153	188	55	366	986	340	229	104	41	35	38
21	36	203	94	55	468	985	278	422	95	42	35	37
22	36	277	112	55	559	1380	299	719	87	41	37	38
23	36	250	102	55	402	1390	622	782	83	39	40	38
24	36	230	94	59	225	1320	542	779	85	39	38	39
25	36	253	94	122	184	1250	710	703	80	40	37	39
26	36	266	94	317	194	1260	814	438	75	41	37	42
27	36	265	132	337	276	1230	652	309	72	55	36	38
28	36	265	129	157	318	1170	445	303	68	52	36	37
29	36	318	119	157	318	1070	405	349	66	47	36	37
30	36	340	95	162	---	921	391	333	64	43	43	38
31	36	---	78	111	---	806	---	297	---	40	59	---
TOTAL	1116	4548	8427	2951	10827	19430	15970	12290	3511	1599	1327	1227
MEAN	36.0	152	272	95.2	373	627	532	396	117	51.6	42.8	40.9
MAX	37	340	620	337	909	1390	987	782	262	68	59	55
MIN	35	36	78	53	58	87	274	224	64	39	35	36

CAL YR 1983 TOTAL 62674 MEAN 172 MAX 951 MIN 33
WTR YR 1984 TOTAL 83223 MEAN 227 MAX 1390 MIN 35

03135000 LAKE FORK BELOW MOHICANVILLE DAM, NEAR MOHICANVILLE, OH

LOCATION.--Lat 40°43'24", long 82°09'18", in sec. 3, T.20 N., R.15 W., Ashland County, Hydrologic Unit 05040002, on right bank 800 ft downstream from Mohicanville Dam, 2 mi east of Mohicanville, and 2.4 mi downstream from the confluence of Jerome and Muddy Forks.

DRAINAGE AREA.--271 mi².

PERIOD OF RECORD.--October 1938 to current year. Published as Lake Fork near Mohicanville prior to 1940.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 930.00 ft National Geodetic Vertical Datum of 1929. Prior to July 25, 1949, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good. Flow regulated by Mohicanville Reservoir. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 239 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,490 ft³/s July 5, 1969, gage height, 14.32 ft; minimum daily, 1 ft³/s June 10, 1947, Jan. 25, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft³/s Mar. 20, gage height, 8.48 ft; minimum daily, 15 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	119	324	70	79	150	1160	317	205	38	24	34
2	17	209	220	70	65	140	1150	250	165	35	25	24
3	16	411	176	70	660	140	1170	225	142	35	43	25
4	16	230	618	70	1310	150	1210	660	125	34	42	43
5	25	127	1210	65	1020	226	1200	538	114	109	34	27
6	38	96	1110	60	520	570	1180	436	107	97	29	27
7	25	79	1120	55	305	523	1160	330	100	123	54	21
8	19	68	877	50	200	343	1180	452	95	75	112	20
9	17	60	587	46	160	280	1170	740	86	69	80	17
10	17	57	431	44	355	250	1170	555	70	45	138	57
11	17	489	369	42	540	230	1150	385	66	40	79	54
12	19	791	787	40	700	200	1170	916	62	43	55	36
13	23	409	655	40	930	180	1170	895	61	34	39	25
14	29	250	439	38	1070	170	1190	720	128	31	34	31
15	23	200	346	36	1050	200	1170	448	85	28	28	28
16	21	353	264	34	1130	958	1170	321	67	31	25	24
17	19	484	184	34	1130	1070	1180	243	64	28	23	20
18	24	322	141	34	1070	1010	1150	196	64	26	22	20
19	45	231	130	34	846	1100	1160	182	136	27	21	18
20	29	269	130	32	629	1160	1150	246	87	26	20	18
21	26	237	160	32	440	938	1090	868	69	25	19	17
22	47	174	220	32	339	902	874	830	58	24	20	16
23	212	147	190	35	283	1010	1040	836	54	22	37	15
24	120	316	170	174	237	1200	1180	855	54	22	25	20
25	71	212	150	663	225	1200	1190	800	47	24	21	20
26	56	148	130	645	192	1190	1130	642	44	25	18	27
27	48	122	120	699	185	1180	999	385	42	134	17	22
28	43	627	100	282	170	1170	871	338	40	60	17	24
29	39	824	90	179	160	1180	533	526	39	35	28	23
30	34	560	85	117	---	1170	407	356	40	28	44	20
31	32	---	75	93	---	1180	---	263	---	26	64	---
TOTAL	1183	8621	11608	3915	16000	21380	32734	15754	2516	1379	1237	783
MEAN	38.2	287	374	126	552	690	1091	509	83.9	44.5	39.9	26.1
MAX	212	824	1210	699	1310	1200	1210	916	205	134	138	54
MIN	16	57	75	32	65	140	407	182	39	22	17	15

CAL YR 1983 TOTAL 78653 MEAN 215 MAX 1210 MIN 13
WTR YR 1984 TOTAL 117120 MEAN 320 MAX 1310 MIN 15

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03136500 KOKOSING RIVER AT MOUNT VERNON, OH

LOCATION.--Lat 40°24'20", long 82°30'00", in sec. 2, T.6 N., R.13 W., Knox County, Hydrologic Unit 05040003, on right bank at downstream side of Tilden Avenue Bridge at Mount Vernon, 0.8 mi downstream from North Branch, and 2.7 mi upstream from Dry Creek.

DRAINAGE AREA.--202 mi².

PERIOD OF RECORD.--February 1953 to current year.

REVISED RECORDS.--WSP 2107: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 984.16 ft National Geodetic Vertical Datum of 1929. (Levels by Corps of Engineers.) Prior to Apr. 3, 1953, nonrecording gage at same site and datum.

REMARKS.--Records fair. Some regulation by Knox Lake, capacity, 3,750 acre-ft, 8.2 mi upstream on East Branch of North Branch Kokosing River beginning in 1954 and North Branch Kokosing River Lake 10.0 mi upstream on North Branch Kokosing River, beginning in June 1972, (see station 03136300). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--31 years, (1954-84), 215 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,000 ft³/s Jan. 21, 1959, gage height, 18.19 ft, from rating curve extended above 9,000 ft³/s on basis of slope-area measurement of peak flow; minimum daily, 13 ft³/s Sept. 29, 30, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,510 ft³/s Mar. 21, gage height 8.04 ft; minimum daily, 14 ft³/s Sept. 22, from hydrographic comparison with nearby stations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	43	249	100	86	169	479	294	243	52	35	45
2	23	48	1150	90	84	161	404	259	211	52	50	38
3	22	231	1000	80	937	149	381	277	187	50	74	31
4	24	237	1070	70	1250	142	447	705	165	50	100	27
5	35	161	459	62	500	208	944	517	147	70	140	25
6	29	115	334	58	265	512	871	408	160	100	98	24
7	23	91	483	54	176	454	755	341	140	140	70	22
8	18	77	700	50	137	331	529	431	127	120	50	22
9	16	68	504	50	133	277	411	582	113	78	32	23
10	15	65	392	50	249	259	345	471	103	84	70	27
11	17	366	180	48	1180	226	297	377	96	70	86	32
12	25	521	640	47	971	189	265	341	93	62	60	38
13	35	274	540	45	823	192	262	307	89	56	54	31
14	43	187	440	45	1660	200	290	271	104	50	47	27
15	36	187	350	44	982	255	450	240	102	46	40	23
16	31	307	280	43	591	1860	419	217	91	60	35	20
17	26	297	230	42	459	2050	454	197	84	70	32	18
18	22	214	190	41	427	1110	463	187	79	62	30	17
19	42	206	160	40	404	652	415	179	78	52	28	16
20	34	220	190	40	363	700	366	187	79	47	25	15
21	40	211	280	40	307	4570	327	730	78	43	23	15
22	70	176	500	39	259	2790	483	695	70	40	22	14
23	184	411	840	56	228	1470	965	909	66	38	62	15
24	169	419	580	260	208	1250	1030	765	72	37	50	16
25	115	281	440	525	220	1290	765	463	92	36	40	18
26	84	208	340	459	208	2070	529	345	80	38	34	19
27	67	450	260	475	203	1250	467	271	68	42	29	19
28	50	871	200	265	195	860	504	281	62	38	23	17
29	47	521	160	181	176	1000	396	415	56	35	21	19
30	43	307	130	130	---	730	338	363	54	32	30	20
31	40	---	110	105	---	578	---	294	---	31	48	---
TOTAL	1450	7770	13381	3634	13681	27954	14951	12319	3190	1801	1538	693
MEAN	46.8	259	432	117	472	902	498	397	106	58.1	49.6	23.1
MAX	184	871	1150	525	1660	4570	1030	909	243	140	140	45
MIN	15	43	110	39	84	142	262	179	54	31	21	14

CAL YR 1983 TOTAL 75479 MEAN 207 MAX 2700 MIN 15
WTR YR 1984 TOTAL 102362 MEAN 280 MAX 4570 MIN 14

03138500 WALHONDING RIVER BELOW MOHAWK DAM, AT NELLIE, OH

LOCATION.--Lat 40°20'29", long 82°03'56", in T.6 N., R.8 W., Coshocton County, Hydrologic Unit 05040003, on right bank at upstream side of bridge on U.S. Highway 36 at Nellie, 0.5 mi upstream from Mohawk Creek, and 1.7 mi downstream from Mohawk Dam.

DRAINAGE AREA.--1,505 mi^2.

PERIOD OF RECORD.--December 1910 to March 1913 (gage heights and discharge measurements only), September 1921 to current year. Published as Mohican River at Pomerene 1910-13, as Walhonding River at Pomerene 1921-37, and as Walhonding River at Nellie 1938-39.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 790.00 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1925, nonrecording gage and Nov. 7, 1925, to Sept. 30, 1937, water-stage recorder at site 3.8 mi upstream at datum 15.53 ft higher. Oct. 1, 1937, to Sept. 30, 1938, nonrecording gage at present site at datum 2.09 ft higher.

REMARKS.--Records good. Flow regulated beginning 1936 by 5 flood-control reservoirs at points 1.7 mi to 54 mi upstream (see stations 03129500, 03133000, 03134500, 03136300, and 03138000). Water-quality data collected at this site 1964 to 1977.

AVERAGE DISCHARGE.--63 years, 1,519 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge at site at Pomerene, 43,800 ft^3/s Jan. 25, 1937; maximum discharge at present site since regulation began at Mohawk Dam, 24,000 ft^3/s Jan. 25, 26, 1937, gage height, 18.8 ft, present datum (from floodmarks), from rating curve extended above 13,000 ft^3/s; minimum daily discharge, 19 ft^3/s Feb. 27 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 26.9 ft, discharge, 102,000 ft^3/s present site and datum, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,500 ft^3/s Feb. 3, gage height, 14.06 ft; minimum daily, 253 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	390	2450	1400	1100	1540	7350	2700	2020	464	341	472
2	259	528	2100	1400	946	1510	7350	2300	1760	453	337	375
3	253	1200	1750	1370	2890	1350	7330	2110	1550	445	376	350
4	255	1620	3300	1330	6340	1210	5160	4180	1340	434	518	401
5	263	1190	5770	1280	3680	1250	7150	4310	1160	1200	466	391
6	315	1040	5010	1250	2300	1940	7330	3330	1120	903	400	326
7	333	968	4950	1190	2160	2570	7270	2860	1060	931	379	311
8	292	892	4370	1080	2060	2540	7290	2710	988	788	531	296
9	344	795	3740	1000	1520	2110	7220	3630	903	628	522	295
10	384	713	3240	969	1450	1880	7070	3470	824	571	657	302
11	362	910	2960	831	3640	1310	5150	2970	761	551	628	515
12	356	2560	3490	714	4200	1620	7120	2860	720	538	503	402
13	305	2120	3920	460	3760	1430	7060	3210	687	518	429	359
14	303	1590	3280	620	5670	1350	6830	2960	755	468	380	[illegible]
15	328	1470	2710	580	6610	1370	6530	2700	893	454	357	402
16	289	1940	2310	550	6060	2540	6420	2290	730	484	333	394
17	285	2140	1940	520	5280	6110	5920	2020	687	456	319	354
18	295	2220	1660	500	4390	6620	4440	1790	655	422	311	289
19	364	2030	1470	480	3970	6020	3930	1620	955	397	323	282
20	403	1920	1280	460	3140	5930	3590	1580	974	380	418	279
21	367	1940	1140	450	3220	6780	3310	3420	800	369	301	274
22	415	1910	1310	440	2540	5930	3110	4550	685	359	299	266
23	1010	1810	1580	430	2240	5190	5330	4850	604	347	332	261
24	1030	1820	1890	861	2020	6570	6880	5640	627	335	361	257
25	774	1970	1500	3960	1850	7250	6590	4450	596	338	310	280
26	696	1650	1000	4050	1840	6870	5610	3670	539	337	293	297
27	650	1450	1100	4160	1670	7020	4950	2820	511	395	279	313
28	602	2620	1200	3580	1690	7310	4460	2490	501	627	268	303
29	526	4210	1700	2170	1630	6470	3700	2990	479	424	271	295
30	434	3160	1600	1770	---	7400	3090	2800	466	376	308	291
31	406	---	1500	1480	---	7410	---	2360	---	351	654	---
TOTAL	13180	50776	77220	41535	89926	126900	174640	95640	26350	15753	12264	9973
MEAN	425	1693	2491	1340	3101	4094	5821	3085	878	508	396	332
MAX	1030	4210	5770	4160	6610	7410	7350	5640	2020	1200	657	515
MIN	253	390	1000	430	946	1210	3090	1580	466	335	268	257

CAL YR 1983 TOTAL 545737 MEAN 1495 MAX 6050 MIN 241
WTR YR 1984 TOTAL 734157 MEAN 2006 MAX 7410 MIN 253

03139000 KILLBUCK CREEK AT KILLBUCK, OH

LOCATION.--Lat 40°28'53", long 81°59'10", Holmes County, Hydrologic Unit 05040003, on right bank at downstream side of U.S. Highway 62 bridge south of Killbuck, 1.2 mi downstream from Black Creek. Prior to Oct. 5, 1976, at site 0.9 mi upstream.

DRAINAGE AREA.--464 mi².

PERIOD OF RECORD.--October 1930 to current year.

REVISED RECORDS.--WSP 873: 1935. WSP 1555: 1935. WSP 1907: Drainage area. WRD-OH-70-1: 1969. WRD-OH-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 788.05 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1949, nonrecording gage and Oct. 1, 1949 to Oct. 5, 1976, water-stage recorder and nonrecording gage, at site 0.9 mi upstream at same datum.

REMARKS.--Records poor. Water-quality data collected at this site 1962 to 1977. Sediment data collected 1962 to 1969.

AVERAGE DISCHARGE.--54 years, 418 ft³/s, 12.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,500 ft³/s July 5, 1969, gage height, 26.40 ft (from floodmarks), from rating curve extended above 11,000 ft³/s on basis of slope-area measurement of peak flow at site then in use; minimum, 23 ft³/s Sept. 10-15, 28-30, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 4	0130	2040	14.88	Mar. 22	0900	*4670	*16.40
Feb. 14	1730	2470	15.17				

Minimum daily discharge 60 ft³/s Jan. 19-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	130	632	160	222	360	2000	816	647	132	95	153
2	91	292	490	150	200	340	1500	708	561	132	115	110
3	82	554	400	140	872	310	1300	656	469	128	237	115
4	75	460	942	130	1280	290	1100	1540	390	123	283	135
5	73	336	1340	120	879	450	1200	1550	342	587	193	107
6	80	258	1150	110	600	783	1140	1360	383	536	150	96
7	77	215	1190	110	450	734	1080	1180	314	499	185	92
8	73	185	1100	100	370	668	969	1200	270	274	351	94
9	76	163	1000	95	330	560	964	1470	247	208	473	90
10	76	149	905	90	476	520	777	1340	227	178	722	90
11	112	308	780	85	1270	480	596	1170	206	170	487	111
12	139	652	813	80	1040	440	619	1050	190	158	306	100
13	160	636	834	80	966	390	509	958	212	143	206	97
14	190	583	802	75	2000	350	589	948	322	132	162	115
15	160	472	760	70	1970	536	1110	893	256	123	135	124
16	138	470	673	70	1610	1280	1070	811	225	159	116	101
17	118	475	569	65	1410	1670	1030	722	193	125	107	95
18	109	483	454	65	1230	1450	960	626	193	117	98	92
19	165	456	380	60	1040	1580	913	552	1070	111	102	90
20	148	424	353	60	931	1550	950	553	619	104	95	97
21	140	442	325	60	833	3670	771	1300	371	100	87	95
22	182	402	484	60	737	4550	775	1380	275	97	87	94
23	511	335	483	60	658	4180	1160	1480	239	95	106	91
24	405	328	361	407	587	4060	1510	1590	239	94	98	95
25	253	336	291	975	554	3960	1800	1380	198	96	90	99
26	193	273	260	902	490	3750	1650	1190	175	96	85	99
27	182	236	240	791	452	2920	1510	980	157	249	80	103
28	165	705	220	643	422	2150	1360	916	156	206	79	103
29	148	866	200	542	400	2810	1330	962	153	134	81	101
30	132	751	190	413	---	2490	955	833	139	110	143	95
31	124	---	170	294	---	2180	---	750	---	100	321	---
TOTAL	4668	12375	18791	7062	24279	51201	33197	32864	9441	5538	5875	3029
MEAN	151	413	606	228	837	1655	1107	1060	315	179	190	101
MAX	511	866	1340	975	2000	4550	2000	1590	1070	587	722	153
MIN	73	130	170	60	200	290	509	552	139	94	79	81
CFSM	.33	.89	1.31	.49	1.80	3.57	2.39	2.28	.68	.39	.41	.22
IN.	.37	.99	1.51	.57	1.95	4.11	2.66	2.63	.76	.44	.47	.24

CAL YR 1983 TOTAL 175386 MEAN 481 MAX 3740 MIN 59 CFSM 1.04 IN 14.06
WTR YR 1984 TOTAL 208410 MEAN 569 MAX 4550 MIN 60 CFSM 1.23 IN 16.71

03140000 MILL CREEK NEAR COSHOCTON, OH

LOCATION.--Lat 40°21'46", long 81°51'45", Coshocton County, Hydrologic Unit 05040003, on left bank 0.5 mi downstream from Little Mill Creek and 6 mi north of Coshocton.

DRAINAGE AREA.--27.2 mi².

PERIOD OF RECORD.--October 1936 to current year. Monthly discharge only for October 1936, published in WSP 1305.

REVISED RECORDS.--WSP 1143: 1946, 1947-48(P). WSP 1907: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 782.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--48 years, 29.0 ft³/s, 14.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,720 ft³/s July 5, 1969, gage height, 13.92 ft, from rating curve extended above 2,200 ft³/s on basis of slope-area measurement of peak flow; no flow Sept. 28, 29, 1954, Aug. 29-31, 1962, and part of each day Dec. 23, 31, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 21	0915	*1280	*10.36	No other peaks above base.			

Minimum discharge 0.34 ft³/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.43	6.8	31	11	8.0	15	79	38	31	6.8	2.0	3.4
2	.50	12	26	10	7.0	14	65	34	26	4.5	3.2	2.8
3	.99	69	25	9.0	154	13	53	32	22	5.5	13	2.5
4	1.1	22	236	8.5	44	19	55	70	17	3.9	5.7	2.7
5	3.8	17	96	8.0	24	58	83	150	15	116	3.8	2.1
6	3.0	14	92	7.5	19	92	73	90	13	48	3.1	1.9
7	1.9	12	71	7.0	13	64	64	70	11	38	9.2	1.8
8	1.3	9.1	48	6.5	11	40	51	60	10	17	8.0	1.8
9	.50	8.5	42	6.0	10	30	41	110	8.5	12	9.2	1.7
10	.42	10	39	6.0	18	26	36	80	7.7	10	8.3	2.0
11	1.0	63	38	5.5	74	23	31	65	7.0	8.3	8.3	2.5
12	3.4	44	116	5.0	39	21	27	50	6.5	7.0	5.7	2.0
13	5.3	28	76	5.0	53	19	26	40	6.5	5.7	4.0	1.7
14	6.1	23	54	4.6	230	17	36	30	8.8	5.1	3.4	2.3
15	4.7	32	50	4.4	88	46	97	24	5.9	5.1	2.8	2.1
16	3.4	47	40	4.2	57	244	68	20	5.3	10	2.3	1.8
17	2.8	28	32	4.0	48	131	79	17	5.3	4.9	2.3	1.7
18	3.5	22	27	3.8	45	96	74	16	5.1	4.9	2.3	1.6
19	7.1	26	24	3.8	45	78	60	16	8.8	4.2	3.3	1.6
20	5.4	26	20	3.6	41	76	52	21	4.9	3.5	2.4	1.6
21	7.3	33	18	3.6	36	579	42	104	4.9	3.4	2.0	1.5
22	21	24	120	3.4	31	209	67	52	4.0	3.1	1.8	1.4
23	78	23	50	3.4	28	130	90	154	3.9	2.8	3.6	1.4
24	20	24	36	24	26	103	140	80	8.3	2.7	2.9	1.4
25	12	19	27	110	26	104	190	53	4.6	2.9	2.5	1.3
26	8.7	17	22	70	21	118	110	42	3.4	2.6	2.2	2.0
27	7.6	15	19	48	20	91	90	30	3.1	5.1	2.0	2.7
28	6.3	172	16	32	19	110	70	76	5.3	3.3	1.8	2.2
29	6.1	64	14	22	17	261	56	84	3.4	2.5	4.0	2.3
30	6.6	40	13	16	---	137	45	52	2.9	2.3	12	2.2
31	6.4	---	12	11	---	100	---	40	---	2.1	7.0	---
TOTAL	236.64	950.4	1530	466.8	1252.0	3064	2050	1800	269.1	353.2	144.1	50.0
MEAN	7.63	31.7	49.4	15.1	43.2	98.8	68.3	58.1	8.97	11.4	4.65	2.00
MAX	78	172	236	110	230	579	190	154	31	116	13	3.4
MIN	.42	6.8	12	3.4	7.0	13	26	16	2.9	2.1	1.8	1.3
CFSM	.28	1.17	1.82	.56	1.59	3.63	2.51	2.14	.33	.42	.17	.07
IN.	.32	1.30	2.09	.64	1.71	4.19	2.80	2.46	.37	.48	.20	.08

CAL YR 1983 TOTAL 11411.30 MEAN 31.3 MAX 314 MIN .42 CFSM 1.15 IN 15.61
WTR YR 1984 TOTAL 12176.24 MEAN 33.3 MAX 579 MIN .42 CFSM 1.22 IN 16.65

03140500 MUSKINGUM RIVER NEAR COSHOCTON, OH

LOCATION.--Lat 40°14'54", long 81°52'23", in T.5 N., R.6 W., Coshocton County, Hydrologic Unit 05040004, on right bank at upstream side of highway bridge, 1 mi southwest of Coshocton, and 2 mi downstream from confluence of Tuscarawas and Walhonding Rivers.

DRAINAGE AREA.--4,859 mi².

PERIOD OF RECORD.--July 1936 to current year.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 725.00 ft National Geodetic Vertical Datum of 1929. Prior to Sept.19, 1936, nonrecording gage and Sept. 20, 1936 to Sept. 30, 1977, water-stage recorder at same site at datum 5.00 ft higher.

REMARKS.--Records good. Flow regulated by 13 flood-control reservoirs at points 19 mi to 88 mi upstream. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--48 years, 5,002 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78,700 ft³/s Jan. 26, 1937, gage height, 21.98 ft; minimum daily, 420 ft³/s Sept. 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 28.8 ft, discharge, 202,000 ft³/s, computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,900 ft³/s Mar. 21, gage height, 16.42 ft; minimum daily, 842 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	851	1670	8200	3800	3230	3020	19900	8830	8660	2190	1410	3430
2	852	1890	6660	3500	2720	3500	18900	7560	7510	2310	1380	2340
3	849	3610	5740	3300	3720	3400	17800	6830	6410	2130	1620	1770
4	842	4790	8590	3300	10000	3300	15200	9240	5600	2040	2330	1650
5	955	4420	15000	3240	10200	3630	16900	12100	4900	4630	2570	1770
6	1070	3790	15700	3180	7460	5890	16900	11900	4320	6890	2260	1550
7	1170	3410	15200	3100	5770	9230	16400	10100	4080	7030	2000	1410
8	1070	3100	13900	2960	5420	8290	15900	8840	3780	5920	2060	1310
9	993	2820	12500	2770	4450	6890	15100	9770	3500	4670	2470	1240
10	1020	2640	10700	2640	3970	5850	14100	11100	3200	3510	3000	1200
11	986	3270	9550	2450	5250	5480	10700	10300	2930	3100	3930	1350
12	1050	6290	10500	2170	9750	4930	11400	8970	2710	3190	3150	1430
13	1320	7340	13100	1900	10100	4380	10900	8900	2590	3020	2580	1310
14	1600	5920	12500	1700	14700	4310	10600	8940	2660	2650	2060	1230
15	1630	5080	11000	1500	17700	4480	11300	8350	2890	2400	1780	1370
16	1510	5850	9710	1400	17300	7540	11600	7450	2670	2330	1590	1450
17	1350	6920	8510	1300	14700	14500	11900	6390	2450	2290	1470	1320
18	1230	7210	7590	1300	12000	16600	10800	5690	2330	2070	1380	1190
19	1290	6840	6620	1200	10900	15500	10100	5180	3050	1940	1420	1100
20	1610	6370	5820	1200	9250	15200	9550	4860	5180	1820	2130	1050
21	1620	6320	5440	1100	8320	21600	8760	7150	4000	1700	1730	1030
22	1810	6120	6450	1100	7120	24000	8280	12000	3080	1600	1450	992
23	3490	5590	7320	1100	5940	22300	11000	14100	2610	1520	1440	958
24	4600	5230	6540	2320	5520	21900	16000	17200	2490	1450	1460	957
25	4210	5300	3600	4840	5020	21900	18300	15900	2440	1420	1410	951
26	3370	4860	3500	7720	4740	21600	17300	13700	2200	1410	1280	1150
27	2770	4350	3800	6990	4340	19800	15300	11200	2030	1490	1180	1120
28	2490	6680	4000	7450	4220	19600	13300	9740	1940	2280	1130	1150
29	2220	10600	4500	5410	4040	20900	11700	10400	1890	2230	1120	1110
30	1950	10400	4900	4210	---	21700	10100	10700	1950	1740	1530	1090
31	1780	---	4600	3720	---	21100	---	9910	---	1510	2440	---
TOTAL	53558	158680	261820	93870	229850	382110	406090	303360	106050	84470	58760	41058
MEAN	1728	5289	8446	3028	7991	12330	13540	9786	3535	2725	1895	1359
MAX	4600	10600	15700	7720	17700	24000	19900	17200	8660	7030	3930	3430
MIN	842	1670	3500	1100	2720	3300	8280	4860	1890	1410	1120	951

CAL YR 1983 TOTAL 1941944 MEAN 5320 MAX 20600 MIN 842
WTR YR 1984 TOTAL 2178626 MEAN 5953 MAX 24000 MIN 842

03141500 SENECA FORK BELOW SENECAVILLE DAM, NEAR SENECAVILLE, OH

LOCATION.--Lat 39°55'20", long 81°26'17", Guernsey County, Hydrologic Unit 05040005, on left bank 650 ft downstream from Senecaville Dam, and 1.5 mi southeast of Senecaville.

DRAINAGE AREA.--118 mi^2.

PERIOD OF RECORD.--September 1938 to current year. Published as Seneca Fork near Senecaville prior to 1940.

REVISED RECORDS.--WSP 1907: Drainage area. WRD-OH-81-1: (M). WRD-OH-83-1: 1982.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 799.00 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 24, 1942, at site 150 ft downstream at same datum.

REMARKS.--Records fair except those for discharges between 100 and 350 ft^3/s, which are poor. Flow regulated by Senecaville Lake. Water is diverted from Senecaville Lake for U.S. Fish Hatchery; figures for diversion after 1982 unavailable, diversion not included in figures of daily discharge. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 132 ft^3/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 985 ft^3/s, Aug. 24, 1980, gage height, 9.69 ft; maximum gage height, 10.96 ft Aug. 11, 1980 (affected by backwater); no flow May 3, 4, 1939, Jan. 28, 29, Feb. 4, 5, Apr. 25, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 762 ft^3/s Dec. 12, gage height, 8.32 ft; minimum daily, 1.1 ft^3/s Feb. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	5.9	357	187	17	3.7	450	665	638	5.5	4.2	3.9
2	3.5	6.1	355	187	4.9	3.9	520	668	481	5.5	4.2	4.0
3	3.5	6.0	353	84	3.7	4.0	602	674	478	5.5	4.0	3.9
4	3.7	6.2	376	35	3.9	3.6	574	466	596	5.5	4.0	4.0
5	3.6	6.2	365	35	3.4	3.4	289	183	707	5.8	4.0	4.2
6	3.7	6.2	366	35	221	135	355	182	445	5.5	5.0	3.9
7	3.7	6.2	385	35	393	449	520	120	64	4.8	4.2	3.7
8	3.3	6.2	520	35	389	564	599	39	4.2	6.5	4.2	3.9
9	3.3	6.2	616	35	387	470	644	176	3.4	8.1	4.4	3.9
10	3.5	3.2	630	35	174	365	672	447	3.4	7.7	4.4	4.4
11	3.6	6.2	616	35	3.7	346	666	331	3.4	6.9	4.4	4.4
12	3.4	6.2	470	35	1.1	138	527	38	4.0	4.4	4.4	4.4
13	3.1	6.2	24	35	25	4.9	511	37	5.2	4.4	4.4	4.4
14	3.7	6.2	317	35	37	3.2	293	238	4.2	4.4	4.4	4.6
15	4.3	397	680	35	16	3.4	292	449	3.4	4.4	4.4	4.6
16	4.5	719	687	55	3.7	3.4	393	175	3.2	4.0	4.4	4.6
17	4.9	725	669	66	3.5	2.9	286	14	2.9	4.0	4.0	4.6
18	5.3	709	651	66	3.4	2.8	41	3.7	4.0	4.4	3.7	4.6
19	5.7	694	481	66	3.2	4.3	357	4.0	4.5	4.4	3.9	4.6
20	5.8	683	135	66	3.2	4.4	474	3.7	4.4	4.2	4.0	4.6
21	5.8	693	5.0	66	3.2	4.0	260	3.7	4.0	4.2	4.2	4.8
22	5.9	692	5.1	66	4.1	4.6	286	3.7	4.2	4.2	3.9	4.4
23	5.9	681	101	30	4.2	4.6	103	3.6	4.2	4.4	3.9	4.2
24	5.8	669	85	5.8	4.2	5.3	3.8	201	4.0	4.4	3.9	4.2
25	5.8	656	85	195	4.1	5.8	209	272	4.2	4.4	3.9	4.4
26	6.0	643	85	370	4.0	5.4	523	19	4.4	4.4	4.0	4.4
27	6.2	630	278	402	4.0	133	594	19	4.0	4.4	3.7	4.4
28	6.0	663	648	401	3.9	316	591	23	4.2	4.4	3.2	4.4
29	6.0	484	582	401	3.8	4.5	584	22	4.4	4.4	3.4	4.4
30	6.2	359	343	325	---	33	635	22	4.8	4.2	3.7	4.4
31	6.0	---	188	146	---	309	---	419	---	4.0	3.9	---
TOTAL	145.2	10183.2	11463.1	3604.8	1732.2	3320.1	12853.8	5921.4	3501.7	153.3	126.3	129.2
MEAN	4.68	339	370	116	59.7	107	428	191	117	4.95	4.07	4.31
MAX	6.2	725	687	402	393	564	672	674	707	8.1	5.0	4.8
MIN	3.1	5.9	5.0	5.8	1.1	2.8	3.8	3.6	2.9	4.0	3.2	3.7

CAL YR 1983 TOTAL 63170.0 MEAN 173 MAX 729 MIN 2.5
WTR YR 1984 TOTAL 53134.3 MEAN 145 MAX 725 MIN 1.1

03142000 WILLS CREEK AT CAMBRIDGE, OH

LOCATION.--Lat 40°00'52", long 81°35'14", Guernsey County, Hydrologic Unit 05040005, on left bank at upstream side of bridge on Campbell Avenue in Cambridge, 0.9 mi downstream from Leatherwood Creek.

DRAINAGE AREA.--406 mi^2.

PERIOD OF RECORD.--June 1926 to September 1928, May 1937 to current year.

REVISED RECORDS.--WSP 853: 1929(M). WSP 893: 1928. WSP 973: 1942.

GAGE.--Water-stage recorder. Datum of gage is 772.34 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 6, 1927, nonrecording gage at site 1.5 mi downstream at different datum. Oct. 6, 1927, to Sept. 30, 1928, and May 22, 1937, to Oct. 18, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good except those for the winter period which are fair. Flow regulated by Senecaville Lake on Seneca Fork, 22 mi upstream, beginning in 1937. Water is diverted 2.7 mi upstream from station for municipal supply of city of Cambridge; diversion not included in figures of daily discharge. Water-quality data collected at this site 1964 to 1975, 1977.

AVERAGE DISCHARGE.--49 years, 452 ft^3/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 8,500 ft^3/s June 6 or 7, 1963; maximum gage height, 24.51 ft Aug. 13, 1980 (backwater from tributaries); minimum daily discharge, 0.7 ft^3/s Oct. 6, 1960.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 8, 1935, reached a stage of 25.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,880 ft^3/s Apr. 24, gage height, 13.34 ft; minimum daily, 5.7 ft^3/s Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	70	711	400	230	180	971	868	964	36	19	94
2	22	69	565	300	146	180	970	834	762	59	19	33
3	20	337	620	250	372	170	946	837	610	137	27	21
4	25	748	1070	220	675	170	984	1030	559	91	31	21
5	89	397	1690	200	492	351	1530	849	657	53	118	19
6	97	227	1460	183	313	1150	1710	489	590	60	136	19
7	54	162	1240	180	452	1020	1450	431	379	108	48	16
8	35	133	993	157	493	895	1140	398	135	98	40	17
9	25	113	898	145	458	640	990	531	82	43	57	9.1
10	20	111	937	130	456	450	935	583	64	34	59	9.4
11	22	581	963	120	344	350	902	727	55	57	42	12
12	68	1290	1460	120	395	290	958	643	62	112	30	12
13	131	798	2250	110	501	250	743	591	58	96	24	9.5
14	105	373	2310	100	1190	230	671	409	48	52	21	7.6
15	94	299	1710	95	1580	210	536	503	48	35	18	9.6
16	60	1040	1280	90	922	320	537	602	43	31	16	10
17	41	1330	1050	92	539	528	1090	360	41	30	18	20
18	40	1180	912	85	533	410	1640	188	39	28	15	16
19	89	982	600	80	539	332	1620	160	39	25	12	6.8
20	166	891	390	80	537	281	1360	147	46	22	10	5.7
21	203	871	280	80	410	1060	980	136	42	19	9.4	6.0
22	418	858	390	75	312	2400	949	136	35	17	14	12
23	1220	811	1080	75	260	2610	2070	222	32	18	55	21
24	1510	786	630	282	235	2120	2780	477	48	16	88	21
25	780	760	555	1220	216	1060	2730	419	48	16	40	15
26	276	726	350	1340	214	1090	2060	313	38	18	26	17
27	172	696	250	978	183	1370	1290	145	30	20	21	16
28	136	1010	600	682	180	1010	1180	174	27	20	20	18
29	106	1600	900	572	180	1670	1040	1260	23	19	18	19
30	88	1270	700	527	---	2060	903	1910	26	19	62	17
31	75	---	500	397	---	1540	---	1410	---	18	164	---
TOTAL	6209	20519	29344	9363	13359	26397	37465	17782	5629	1387	1269.4	528.7
MEAN	200	684	947	302	461	852	1249	574	188	44.7	40.9	17.6
MAX	1510	1600	2310	1340	1580	2610	2780	1910	864	137	164	94
MIN	20	69	250	75	148	170	536	136	23	16	9.4	5.7
(+)	5.89	5.52	5.76	5.02	5.82	5.41	5.30	5.68	6.58	6.27	6.12	5.85

CAL YR 1983 TOTAL 200684.0 MEAN 550 MAX 4370 MIN 11 (+) 5.54
WTR YR 1984 TOTAL 169252.1 MEAN 462 MAX 2780 MIN 5.7 (+) 5.85

+ Diversion in cubic feet per second; furnished by City of Cambridge.

BEST COPY AVAILABLE

03142290 SALT FORK LAKE NEAR CAMBRIDGE.

LOCATION.--Lat 40°06'15", long 81°33'15", in T.3 N., R.3 W., Guernsey County, Hydrologic Unit 05040005, at outlet works near left end of dam on Salt Fork, 0.8 mi upstream from mouth, 5.0 mi north of Cambridge, and 3.5 mi south of Kimbolton.

DRAINAGE AREA.--159 mi^2.

PERIOD OF RECORD, September 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Reservoir is formed by earthfill dam with concrete morning-glory spillway and emergency spillway cut in natural rock; storage began Dec. 30, 1967. Usable capacity, 41,950 acre-ft between elevations 772.5 ft (invert of lowest outlet) and 800.0 ft (crest of morning-glory spillway). Dead storage below elevation 772.5 ft, 1,250 acre-ft. Additional flood-retention capacity, 28,600 acre-ft between elevations 800.0 ft and 808.0 ft (crest of emergency spillway). Figures given herein represent usable contents. There are no gates on spillway and all regulation is done by conduits through dam. Reservoir is used for recreation, flood control, and future municipal supply.

COOPERATION.--Capacity table furnished by State Department of Natural Resources.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 72,570 acre-ft Aug. 13, 1980, elevation, 808.48 ft; minimum, 12,200 acre-ft Oct. 17, 1968, elevation, 786.53 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 52,700 acre-ft Mar. 31, elevation, 803.30 ft; minimum, 41,740 acre-ft Sept. 30, elevation, 799.93 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	800.08	42,200	--
Oct. 31	801.04	45,180	+2,980
Nov. 30	801.87	47,830	+2,650
Dec. 31	801.49	46,620	-1,210
CAL YR 1983	--	--	-1,970
Jan. 31	801.20	45,690	-930
Feb. 29	601.19	45,660	-30
Mar. 31	803.20	52,350	+6,690
Apr. 30	802.49	49,920	-2,430
May 31	802.30	49,270	-650
June 30	800.49	43,470	-5,800
July 31	800.33	42,970	-500
Aug. 31	800.31	42,910	-60
Sept. 30	800.07	42,170	-740
WTR YR 1984	--	--	-30

03143500 WILLS CREEK BELOW WILLS CREEK DAM, AT WILLS CREEK, OH

LOCATION.--Lat 40°09'34", long 81°50'51", in sec. 22, T.4 N., R.6 W., Coshocton County, Hydrologic Unit 05040005, on left bank 1,200 ft downstream from Wills Creek Dam, 1.3 mi southeast of town of Wills Creek, 2.7 mi southeast of Conesville, and 6.2 mi upstream from mouth.

DRAINAGE AREA.--842 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1939, published as Wills Creek at Wills Creek.

REVISED RECORDS.--WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 717.00 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 18, 1939, nonrecording gage and Feb. 18, 1939, to Sept. 30, 1949, water-stage recorder, at site 1,500 ft downstream at same datum.

REMARKS.--Records good. Flow regulated by Senecaville Lake on Seneca Fork, 80 mi upstream, Salt Fork Reservoir 43 mi upstream, and Wills Creek Lake, 0.2 mi upstream (see station 03142290). Water-quality data collected at this site 1957, 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 943 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,930 ft³/s Mar. 7, 1940, gage height, 17.40 ft; maximum gage height, 17.50 ft Mar. 22, 1964 (backwater from Muskingum River); minimum daily discharge, 1.0 ft³/s Aug. 10, Oct. 27-29, 1948, Jan. 28, 1952, July 6-9, 1969, Apr. 3, 1970, Feb. 25, 1975, Feb. 19, 1976, when gates at Wills Creek Lake were closed.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a discharge of 22,300 ft³/s, computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,020 ft³/s Apr. 4, gage height, 15.27 ft; minimum daily, 38 ft³/s Sept. 26-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	350	2320	1340	800	600	4460	2750	2610	211	72	159
2	43	328	1770	952	650	590	4380	1970	2040	258	69	194
3	41	497	1310	746	600	570	4720	1660	1560	228	71	191
4	44	690	1640	660	893	560	4900	1600	1250	211	91	156
5	65	1030	2630	621	1180	600	4600	1770	1060	259	107	123
6	84	1030	3010	568	1140	1080	4580	1910	1000	300	113	100
7	105	813	3080	532	903	1710	4560	1650	1010	325	139	94
8	132	642	2770	506	766	1980	4450	1240	918	300	194	74
9	134	529	2340	484	809	1600	3380	1130	575	276	186	67
10	115	462	1950	420	825	1300	2610	1130	489	252	169	53
11	97	610	1780	380	847	1100	2140	1200	384	263	310	60
12	103	1170	2120	350	886	1000	1930	1220	325	245	319	57
13	120	1790	2900	330	959	920	1710	1380	285	223	263	52
14	143	1770	3290	310	1660	890	1590	1350	265	224	202	52
15	192	1290	3520	300	2570	860	1500	1180	245	223	159	54
16	209	1140	3500	290	2940	959	1520	1010	223	199	131	51
17	197	1420	3060	280	2680	1330	1510	1020	205	173	113	48
18	180	1840	2400	270	1940	1630	1480	965	191	153	99	45
19	180	1900	1890	260	1550	1550	1620	776	196	140	91	43
20	179	1700	1590	250	1420	1350	2160	636	189	130	84	41
21	240	1530	1200	250	1330	2220	2570	630	181	121	77	42
22	408	1410	1100	240	1180	2610	2560	662	173	111	73	41
23	1070	1330	1210	240	1020	1550	2290	1190	164	102	76	40
24	1790	1270	1450	300	896	2700	2640	2900	157	97	71	42
25	2110	1200	1250	719	822	2980	3330	2480	149	91	70	39
26	1810	1140	1000	1 70	757	2820	3580	1720	143	84	83	38
27	1140	1080	840	1580	660	3520	3770	1270	139	91	92	38
28	764	1360	760	1510	640	4080	4410	996	135	91	89	38
29	586	1960	953	1230	620	2450	4380	1180	131	87	81	38
30	474	2370	1280	1050	---	3200	3930	1800	164	82	98	38
31	399	---	1580	942	---	3810	---	2470	---	77	152	---
TOTAL	13200	35651	61493	19080	33943	54119	93260	44845	16656	5627	3944	2108
MEAN	426	1188	1984	615	1170	1746	3109	1447	555	182	127	70.3
MAX	2110	2370	3520	1580	2940	4080	4900	2900	2610	325	319	194
MIN	41	328	760	240	600	560	1480	630	131	77	69	38

CAL YR 1983 TOTAL 428184 MEAN 1173 MAX 4960 MIN 35
WTR YR 1984 TOTAL 383926 MEAN 1049 MAX 4900 MIN 38

03144000 WAKATOMIKA CREEK NEAR FRAZEYSBURG, OH

LOCATION.--Lat 40°07'57", long 82°08'53", in NW 1/4 sec. 13, T.3 N., R.9 W., Muskingum County, Hydrologic Unit 05040004, on right bank 2.0 mi northwest of Frazeysburg, 2.0 mi downstream from Fivemile Run, and 2.5 mi upstream from Black Run.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--September 1936 to current year.

REVISED RECORDS.--WSP 1113: 1937(M). WSP 1555: 1952(M).

GAGE.--Water-stage recorder. Datum of gage is 748.12 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1936, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods which are fair. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1970 to 1974.

AVERAGE DISCHARGE.--48 years, 155 ft³/s, 15.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/s Sept. 14, 1979, gage height, 14.07 ft, from rating curve extended above 7,700 ft³/s on basis of contracted-opening measurement of peak flow; minimum, 2.0 ft³/s Oct. 3, 1963, gage height, 0.94.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 28	2000	2,000	5.63	Feb. 14	1130	1,810	5.31
Dec. 4	2330	2,330	6.16	Mar. 21	1830	*4,960	*9.34

Minimum discharge, 5.0 ft³/s Sept. 22,23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	38	227	40	40	130	406	206	220	28	18	17
2	5.7	58	170	38	40	109	315	173	173	32	25	13
3	6.5	435	153	36	130	97	271	199	142	32	35	11
4	8.5	246	1170	34	400	90	374	715	114	22	50	11
5	20	137	1190	32	270	227	747	460	97	35	78	10
6	23	101	576	31	190	654	687	340	86	60	50	9.0
7	15	81	537	30	120	415	552	285	76	98	30	8.5
8	12	70	352	28	80	323	397	365	69	56	26	8.0
9	12	62	281	28	50	260	315	482	62	48	28	8.5
10	12	58	246	27	110	230	260	357	56	38	54	8.5
11	12	227	231	27	310	200	216	296	51	32	98	9.0
12	17	357	435	26	240	180	189	308	47	29	68	9.0
13	25	189	430	26	190	170	179	246	45	28	45	8.0
14	30	140	331	25	1340	160	196	223	50	27	32	8.0
15	30	123	289	24	693	160	791	189	46	25	24	8.5
16	25	189	213	23	415	752	482	164	41	28	18	7.5
17	21	173	162	23	336	682	357	150	39	34	17	7.0
18	22	137	132	23	304	486	308	142	38	29	17	6.5
19	38	120	125	22	292	374	264	142	37	26	15	6.1
20	35	120	192	22	267	348	231	145	35	25	13	5.7
21	58	135	209	22	220	3380	196	576	33	24	12	5.7
22	125	111	344	22	179	2000	352	361	31	23	12	5.0
23	552	99	450	22	159	943	913	853	29	22	24	5.0
24	213	132	310	90	145	736	1200	693	36	22	19	6.1
25	101	114	210	440	186	720	742	387	42	21	14	6.5
26	72	99	150	350	170	1150	473	292	34	21	12	6.1
27	59	88	100	240	148	676	387	220	29	20	11	6.5
28	50	1120	68	160	153	576	357	315	27	20	11	6.5
29	47	802	56	120	148	1290	271	537	25	19	10	6.1
30	42	348	50	80	---	819	250	392	23	19	13	7.0
31	39	---	45	54	---	552	---	285	---	18	17	---
TOTAL	1733.3	6109	9434	2165	7325	18889	12678	10498	1833	961	896	240.3
MEAN	55.9	204	304	69.8	253	609	423	339	61.1	31.0	28.9	8.01
MAX	552	1120	1190	440	1340	3380	1200	853	220	88	98	17
MIN	5.6	38	45	22	40	90	179	142	23	18	10	5.0
CFSM	.40	1.46	2.17	.50	1.81	4.35	3.02	2.42	.44	.22	.21	.06
IN.	.46	1.62	2.51	.58	1.95	5.02	3.37	2.79	.49	.26	.24	.06

CAL YR 1983 TOTAL 68013.1 MEAN 186 MAX 2170 MIN 5.0 CFSM 1.33 IN 18.07
WTR YR 1984 TOTAL 72761.6 MEAN 199 MAX 3380 MIN 5.0 CFSM 1.42 IN 19.33

03144500 MUSKINGUM RIVER AT DRESDEN, OH

LOCATION.--Lat 40°07'13", long 81°59'59", Muskingum County, Hydrologic Unit 05040004, on left bank 70 ft downstream from bridge on State Highway 208, 0.5 mi east of Dresden, and 0.5 mi downstream from Wakatomika Creek.

DRAINAGE AREA.--5,993 mi².

PERIOD OF RECORD.--September 1921 to September 1984 (discontinued).

REVISED RECORDS.--WSP 728: 1927(M). WSP 803: 1935. WSP 1385: 1922-23, 1928(M), 1929, 1930(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 693.15 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 24, 1925, nonrecording gage at about same site and datum.

REMARKS.--Records good. Flow regulated by 16 flood-control reservoirs at points 15 mi to 105 mi upstream. Water-quality data collected at this site 1966, 1969 to 1977. Water temperatures collected 1952-61, 1963 to 1974. Sediment data collected 1952 to 1974.

AVERAGE DISCHARGE.--63 years, 6,392 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 100,000 ft³/s Aug. 9, 1935, gage height, 31.6 ft; minimum daily, 335 ft³/s June 25, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 46.0 ft, present site and datum, from floodmark, discharge, 228,000 ft³/s, computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,100 ft³/s Mar. 22, gage height, 18.78 ft; minimum daily, 961 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	2220	12200	5650	4670	5200	27200	12900	12900	2530	1620	3750
2	982	2250	9790	4950	3950	4900	25900	11000	11400	2840	1570	2960
3	972	4110	8190	4590	4440	4700	25300	9900	9380	2630	1620	2210
4	961	6060	10500	4400	11200	4500	23900	12000	8080	2490	2440	1940
5	1070	6200	18700	4400	12800	4860	23100	15400	7030	3890	2850	2020
6	1220	5500	20100	4320	10300	7840	24500	15600	6270	7710	2660	1820
7	1310	4770	19900	4180	7680	11000	23800	13600	5900	7800	2430	1650
8	1310	4210	18600	3950	6940	11900	22400	11600	5430	7000	2440	1560
9	1230	3750	16800	3690	6190	10300	20500	12300	4960	5810	2780	1450
10	1210	3440	14600	3510	5450	8630	18700	13700	4280	4410	3300	1390
11	1170	3980	13200	3100	7030	9030	15900	13200	3930	3930	4760	1440
12	1210	7200	13500	2730	11300	7240	14400	12000	3470	3870	4200	1610
13	1390	9770	17300	2500	12300	5440	14300	11600	3260	3670	3340	1490
14	1730	8800	17700	2300	17100	6160	13900	11600	3230	3290	2670	1430
15	1870	7280	16700	2100	21700	6140	14900	10800	3460	2950	2240	1450
16	1850	7490	15300	2000	22000	8680	15100	9740	3280	2790	1970	1590
17	1690	8700	13500	1800	20200	16200	15300	8620	3010	2730	1790	1490
18	1570	9660	11700	1700	16600	19500	14700	7730	2810	2500	1680	1360
19	1570	9580	9970	1600	14700	19100	14100	6960	3070	2330	1620	1250
20	1810	8900	8660	1600	12900	18100	14100	6380	5680	2210	2180	1210
21	1990	8640	7950	1500	11500	23700	13300	8140	4930	2060	2120	1170
22	2320	8340	8750	1400	10200	31900	12400	13300	3740	1940	1730	1140
23	4900	7780	9650	1400	8370	27000	15300	16300	3170	1810	1670	1100
24	6880	7300	9490	2610	7750	26600	20400	21400	2930	1720	1670	1090
25	7010	7310	6230	6140	7050	27000	23800	20400	2890	1670	1660	1070
26	5910	6800	4830	9350	6400	27700	23400	17500	2640	1650	1540	1220
27	4520	6190	5200	9430	6000	26100	22100	14500	2420	1670	[illegible]	1230
28	3630	8240	5360	9840	5600	26300	20500	[illegible]	2270	2250	1380	1300
29	3120	13800	6140	7880	5400	26000	18200	13300	2210	2610	1330	1250
30	2690	14100	6560	6170	---	27700	15500	14100	2250	2090	1510	1230
31	2390	---	6490	5290	---	27200	---	14100	---	1770	2420	---
TOTAL	72485	212370	363560	126080	297720	486620	566900	392470	140080	98510	68640	45850
MEAN	2338	7079	11730	4067	10270	15700	18900	12660	4669	3178	2214	1552
MAX	7010	14100	20100	9840	22000	31900	27200	21400	12900	7800	4760	3750
MIN	961	2220	4830	1400	3950	4500	12400	6380	2210	1650	1330	1070

CAL YR 1983 TOTAL 2686065 MEAN 7359 MAX 28300 MIN 961
WTR YR 1984 TOTAL 2872295 MEAN 7848 MAX 31900 MIN 961

03145000 SOUTH FORK LICKING RIVER NEAR HEBRON, OH

LOCATION.--Lat 39°59'19", long 82°28'30", in NW 1/4 sec. 3, T.1 N., R.12 W., Licking County, Hydrologic Unit 05040006, on left bank at upstream side of bridge on county road, 600 ft downstream from Beaver Run, 2.3 mi north of Hebron, and 2.5 mi upstream from Ramp Creek.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--October 1939 to September 1948, July 1968 to current year.

REVISED RECORDS.--WSP 923: 1940. WSP 1033: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 856.08 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1974 nonrecording gage at same site and datum.

REMARKS.--Records fair. Occasional regulation by Buckeye Lake, capacity, 27,300 acre-ft, on unnamed tributary 5.6 mi upstream from station. Occasional diversion from Buckeye Lake into Jonathan Creek which bypasses station. Water-quality data collected at this site 1969 to 1977.

AVERAGE DISCHARGE.--25 years, 155 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,120 ft³/s Mar. 6, 1945, gage height, 12.1 ft, from flood marks; no flow Aug. 22, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 12.4 ft present datum, from flood marks; discharge 5,880 ft³/s, by slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,260 ft³/s Mar. 17, gage height 10.11 ft ; minimum daily, 5.0 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	5.5	330	46	43	53	637	63	129	11	16	9.1
2	7.1	8.7	210	44	48	71	574	52	71	13	30	9.1
3	7.0	80	140	43	428	570	385	79	56	13	29	9.1
4	9.1	96	1200	38	627	469	206	244	47	10	27	9.1
5	13	31	560	35	328	261	350	139	42	9.9	66	7.5
6	11	17	270	32	174	110	820	96	42	20	30	6.9
7	9.9	12	140	30	56	84	680	84	40	48	19	6.6
8	9.5	9.5	120	28	69	66	250	172	34	30	44	7.5
9	9.9	7.5	110	26	39	79	154	288	30	19	24	7.5
10	9.3	87	100	24	60	166	104	259	28	16	14	8.3
11	9.7	751	150	23	409	520	86	221	29	13	56	7.9
12	11	722	580	21	258	799	72	235	27	12	43	7.9
13	11	463	350	20	287	458	68	219	23	10	18	8.3
14	11	395	210	18	907	395	77	164	25	9.5	12	6.9
15	10	485	130	18	607	242	134	62	25	9.1	9.5	6.6
16	11	553	100	17	423	1170	121	53	20	9.1	7.9	6.3
17	11	480	84	16	365	2020	321	53	20	8.7	7.2	6.0
18	15	407	70	15	360	1790	405	48	20	8.7	6.6	6.6
19	16	385	64	15	339	863	347	44	20	12	6.0	6.0
20	18	388	60	15	168	645	162	43	20	10	6.0	6.0
21	28	392	58	14	106	1090	106	195	18	8.7	5.5	6.6
22	46	367	230	14	80	875	360	154	16	9.5	9.1	5.7
23	263	345	170	15	71	680	970	781	14	10	9.1	5.0
24	125	330	120	250	65	1110	861	790	14	9.9	6.3	6.4
25	40	310	86	1030	123	999	545	463	28	11	5.5	7.0
26	19	250	70	806	94	676	377	302	23	10	5.2	7.8
27	13	270	62	469	69	588	328	318	16	13	5.7	7.0
28	10	1500	58	363	68	535	290	511	14	12	6.9	6.6
29	7.5	920	54	336	62	496	252	783	12	12	11	6.9
30	5.7	560	52	204	---	383	185	537	11	14	11	7.0
31	5.2	---	48	39	---	674	---	302	---	14	10	---
TOTAL	779.3	10627.2	5986	4064	6733	18937	10127	7754	914	416.1	556.5	215.2
MEAN	25.1	354	193	131	232	611	338	250	30.5	13.4	18.0	7.17
MAX	263	1500	1200	1030	907	2020	970	790	129	48	66	9.1
MIN	5.2	5.5	48	14	39	53	68	43	11	8.7	5.2	5.0

CAL YR 1983 TOTAL 58997.5 MEAN 162 MAX 2020 MIN 4.1
WTR YR 1984 TOTAL 67109.3 MEAN 183 MAX 2020 MIN 5.0

03146500 LICKING RIVER NEAR NEWARK, OH

LOCATION.--Lat 40°03'33", long 82°20'23", in SW 1/4 T.2 N., R.11 W., Licking County, Hydrologic Unit 05040006, on right bank at downstream side of Stadden Bridge, 1.0 mi downstream from Shawnee Run, 1.5 mi upstream from Equality Run, and 3.5 mi east of Newark.

DRAINAGE AREA.--537 mi².

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 973: 1940(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 779.02 ft National Geodetic Vertical Datum of 1929. Prior to May 9, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good. Occasional regulation by Buckeye Lake, capacity, 27,300 acre-ft, on South Fork 15.2 mi upstream. Water-quality data collected at this site 1962 to 1980.

AVERAGE DISCHARGE.--45 years, 593 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,000 ft³/s Jan. 21, 1959, gage height, 20.3 ft (from high-water mark), from rating curve extended above 24,000 ft³/s on basis of flood-routing studies from station at Toboso; minimum daily, 28 ft³/s Sept. 27, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	2200	6,930	9.63	Mar. 21	1300	*15,600	*13.68

Minimum daily discharge, 51 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	107	894	130	178	377	1810	669	744	150	89	92
2	69	128	681	120	206	366	1580	580	580	144	111	76
3	51	1140	630	120	2120	330	1470	650	489	139	141	76
4	84	981	4470	110	2250	311	1720	1500	428	139	185	72
5	107	476	4240	110	981	921	3240	1300	372	179	352	72
6	84	301	2500	110	553	2370	3030	955	342	228	189	68
7	77	225	2180	110	311	1440	2420	816	319	352	133	68
8	69	188	1410	100	252	1040	1690	1100	293	297	139	66
9	67	161	1140	100	236	681	1240	1520	267	206	133	62
10	65	171	1020	98	306	567	1020	1160	243	185	382	78
11	65	2280	1090	96	2110	533	876	955	240	172	392	74
12	75	2160	2250	94	1300	405	780	998	228	150	288	70
13	79	1110	1710	92	1190	428	744	899	224	156	172	58
14	73	808	1200	90	4290	488	758	758	293	139	147	70
15	70	719	800	90	2050	851	1080	592	221	124	119	70
16	68	1270	630	90	1390	4100	964	513	199	163	111	58
17	70	1280	501	88	1150	3050	1630	467	192	192	101	58
18	100	921	405	88	1100	1830	1540	434	192	141	94	56
19	93	751	356	86	1050	1430	1350	412	189	127	89	56
20	100	719	311	86	825	1450	1010	418	175	116	85	50
21	123	775	292	88	651	13400	846	1640	172	109	80	58
22	274	704	851	88	533	7390	1490	1200	163	103	89	56
23	903	644	868	96	469	3990	3340	2850	156	101	103	53
24	622	972	433	600	433	3290	3300	2410	243	101	109	58
25	341	767	297	2350	759	3340	2270	1400	247	101	96	55
26	217	451	230	1410	681	5000	1570	998	205	101	87	58
27	164	341	210	1080	527	2750	1320	846	172	111	80	55
28	137	4390	180	674	482	2610	1220	1320	159	99	82	53
29	120	3110	160	547	405	4670	1020	2470	153	91	82	55
30	105	1480	150	445	---	2900	891	1570	144	89	101	55
31	100	---	140	225	---	2150	---	1060	---	87	96	---
TOTAL	4643	29530	32229	9611	28788	74458	47219	34860	8045	4592	4457	1926
MEAN	150	984	1040	310	993	2402	1574	1125	268	148	144	64.2
MAX	903	4390	4470	2350	4290	13400	3340	2850	744	362	392	92
MIN	51	107	140	86	178	311	744	412	144	97	80	53

CAL YR 1983 TOTAL 237142 MEAN 650 MAX 7150 MIN 51
WTR YR 1984 TOTAL 280358 MEAN 766 MAX 13400 MIN 51

03147500 LICKING RIVER BELOW DILLON DAM, NEAR DILLON FALLS, OH

LOCATION.--Lat 39°59'18", long 82°04'50", in T.1 N., R.8 W., Muskingum County, Hydrologic Unit 05040006, on left bank 500 ft downstream from Dillon Dam, 2.0 mi northwest of Dillon Falls, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--742 mi².

PERIOD OF RECORD.--October 1939 to current year. Prior to October 1962, published as Licking River at Dillon.

REVISED RECORDS.--WSP 2107: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 700.0 ft Corps of Engineers bench mark. Prior to Oct. 27, 1940, water-stage recorder at site 2.3 mi downstream at different datum. Oct. 27, 1940, to Sept. 30, 1962, water-stage recorder at site 2.6 mi downstream at datum 16.3 ft lower.

REMARKS.--Records good. Flow regulated by Dillon Lake since December 1960. Water-quality data collected at this site 1965 to 1977. Water-temperature data collected 1961 to 1975.

AVERAGE DISCHARGE.--21 years (water years 1940-60), 760 ft³/s; 24 years (water years 1961-84), 888 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,000 ft³/s Jan. 22, 1959, gage height, 32.46 ft; minimum daily, 19 ft³/s Dec. 22, 1960.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 37.0 ft site and datum in use 1940-62, from floodmark, backwater from Muskingum River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,410 ft³/s Apr 12, gage height, 9.38 ft; minimum daily, 67 ft³/s June 28,29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	234	3200	370	324	561	4090	1400	953	185	231	122
2	120	251	1570	320	276	527	4190	929	947	366	228	122
3	120	551	444	366	1000	596	4160	824	947	228	164	122
4	120	1910	929	387	2740	527	3360	1890	646	170	137	122
5	120	1300	2260	383	2130	652	2600	1540	358	231	137	122
6	117	173	2890	378	1510	2000	4290	1150	448	262	204	125
7	117	324	2880	378	731	2720	4240	1360	466	258	301	125
8	117	395	2870	324	466	2200	4200	1050	453	258	362	125
9	117	404	2820	290	453	1190	4240	1620	383	354	245	122
10	120	347	2750	301	471	1000	4300	1630	383	426	294	125
11	120	652	2680	305	561	923	4260	1120	383	430	383	122
12	120	2040	2630	258	1180	662	4250	959	324	255	387	122
13	117	2000	2530	221	2070	683	4230	959	290	170	413	122
14	117	1410	2590	305	2370	763	4310	1240	404	143	313	122
15	114	1570	2520	313	1660	853	4300	1100	339	143	241	122
16	114	1310	1790	228	1670	1990	4290	802	276	182	137	125
17	114	1460	996	211	1660	3360	4310	657	275	201	106	125
18	117	1550	693	208	1650	3690	4270	591	276	198	97	125
19	114	1290	736	231	1650	2860	4160	537	269	158	97	125
20	117	899	601	224	1630	2240	3070	518	255	111	111	125
21	120	859	513	188	2690	905	1580	1130	251	86	125	125
22	125	971	763	152	3200	117	1400	1650	198	86	125	125
23	457	882	1220	158	1690	176	2250	1370	176	125	131	125
24	1240	830	899	366	876	1320	2360	2080	173	137	108	125
25	870	1050	758	2050	636	2020	1890	2100	214	140	97	125
26	280	1130	596	2870	1150	1310	2640	2090	287	176	97	125
27	182	780	301	2010	1000	2160	2840	2030	313	94	106	125
28	185	1420	331	1150	742	2550	2800	2010	251	67	122	125
29	201	3370	551	888	736	1070	2860	2960	204	67	122	125
30	214	3340	537	802	---	2710	2230	3020	170	89	122	125
31	221	---	462	646	---	3530	---	1570	---	94	122	---
TOTAL	6447	34702	47410	17281	38922	47865	103970	43886	11313	5890	5865	3717
MEAN	208	1157	1529	557	1342	1544	3466	1416	377	190	189	124
MAX	1240	3370	3200	2870	3200	3690	4310	3020	953	430	413	125
MIN	114	173	301	152	276	117	1400	518	170	57	97	122

CAL YR 1983 TOTAL 332488 MEAN 911 MAX 4650 MIN 97
WTR YR 1984 TOTAL 367268 MEAN 1003 MAX 4310 MIN 67

03150000 MUSKINGUM RIVER AT MCCONNELSVILLE, OH

(National stream quality accounting network station)

LOCATION.--Lat 39°38'42", long 81°51'00", in SE 1/4 sec. 11, T.10 N., R.12 W., Morgan County, Hydrologic Unit 05040004, on left bank just upstream from Dam 7, at McConnelsville, and 3.5 mi downstream from Oilspring Run.

DRAINGE AREA.--7,422 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1921 to current year.

REVISED RECORDS.--WSP 783: 1913(M). WSP 853: 1933(M). WSP 1173: 1922-24, 1928(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 650.31 ft National Geodetic Vertical Datum of 1929. Prior to July 27, 1922, nonrecording gage at site 0.5 mi upstream at same datum. July 27, 1922, to Aug. 10, 1926, nonrecording gage and Aug. 11, 1926, to Sept. 8, 1959, water-stage recorder at present site and datum. Sept. 9, 1959, to July 18, 1960, nonrecording gage at site 0.5 mi upstream at same datum.

REMARKS.--Records good. Flow regulated by 17 flood-control reservoirs 36.6 mi to 148 mi upstream from station.

AVERAGE DISCHARGE.--63 years, 7,630 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 126,000 ft³/s Jan. 26, 1937, gage height, 21.14 ft; minimum daily, 325 ft³/s Oct. 12, 1930, may have been lower during August 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 27, 1913 reached a stage of 33.5 ft, discharge, 270,000 ft³/s, computed by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,400 ft³/s Mar. 29, gage height, 9.96 ft; minimum daily, 1,120 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	2920	17000	7290	5700	6340	31500	16500	15500	4520	2090	3400
2	1190	2830	14000	6520	4940	6480	30600	13800	13900	4420	2120	3920
3	1120	4310	10500	5960	5390	6310	29700	12600	11900	4100	2100	2980
4	1200	7680	14200	5600	11900	5770	30500	14500	10200	3260	2390	2490
5	1470	9030	20600	5280	16300	6060	28400	17900	8580	3270	3120	2320
6	1600	6690	23800	5270	14400	10800	30600	18000	7650	7830	3250	2320
7	1600	5890	24100	5420	10400	15100	29700	16900	7190	8810	2990	2090
8	1650	5410	22800	5170	8530	15600	27900	14600	6820	8450	3340	1920
9	1600	4910	20900	4610	7630	13700	25900	14800	6110	7290	3240	1790
10	1510	4570	19100	4190	6840	11400	24100	16300	5440	5950	3710	1720
11	1480	6310	17300	3740	6860	10400	22300	15900	4900	5230	4980	1670
12	1610	8770	18300	3340	11700	9430	18900	14800	4490	4790	5490	1810
13	1680	12700	20100	2980	15300	8570	19400	13800	4080	4410	4520	1900
14	1950	11600	21100	3010	21200	8290	19000	14100	4350	4030	3740	1770
15	2230	10400	20500	3240	24000	8150	19700	13300	4210	3630	3020	1750
16	2300	10100	18800	2980	24400	10300	20200	12100	4080	3450	2620	1810
17	2240	10700	16300	2830	23600	17800	21900	10600	3810	3340	2290	1890
18	2140	11900	14000	2740	20500	22900	21500	9450	3590	3230	2090	1800
19	2230	12100	12000	2640	18100	23100	20000	8640	3500	2970	1970	1640
20	2270	11100	11000	2320	16500	21100	19100	7870	5170	2720	2020	1510
21	3040	10500	9300	1910	15100	30600	16700	8920	6230	2510	2600	1460
22	3560	10200	10500	1750	15100	34000	19000	14300	4880	2370	2310	1400
23	8160	9780	12000	1800	12100	31400	22600	19600	4120	2270	2210	1350
24	9050	9230	11400	3150	10200	28000	25900	24300	3880	2200	2040	1360
25	9330	9060	7700	7960	8990	29700	27000	23800	3500	2100	2000	1290
26	7400	8970	6000	12300	8670	32400	27400	21200	3430	2040	1950	1310
27	6200	8280	6000	12700	8440	29600	26700	18200	3130	2110	1830	1400
28	5000	10900	6040	12000	7760	30700	25400	17300	3000	2050	1720	1460
29	4200	17300	7940	11500	6480	33600	22900	20600	2840	2840	1620	1520
30	3500	18300	7900	8480	---	31700	20300	18900	2900	2730	1630	1470
31	3100	---	7400	7160	---	31400	---	17300	---	2290	2270	---
TOTAL	96840	272440	448580	165840	367030	580700	724600	480880	173480	121240	83170	55510
MEAN	3124	9081	14470	5350	12660	18730	24150	15510	5783	3911	2683	1894
MAX	9330	18300	24100	12700	24400	34000	31500	24300	15500	8810	5490	3920
MIN	1120	2830	6000	1750	4940	5770	16700	7870	2840	2040	1620	1290

CAL YR 1983 TOTAL 3344670 MEAN 9163 MAX 36400 MIN 1120
WTR YR 1984 TOTAL 3571310 MEAN 9758 MAX 34000 MIN 1120

03150000 MUSKINGUM RIVER AT MCCONNELSVILLE, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1950 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: November 1978 to current year.

REMARKS.--Samples collected each month as part of the National Stream Quality Accounting Network. Water-quality monitor data collected at site, 1.0 mi upstream from discharge station, from 1973 to 1980.

COOPERATION.--Pesticide analyses furnished by Environmental Protection Agency.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,710 mg/L Aug. 11, 1980; minimum daily mean 2 mg/L Jan. 28, 1983.
SEDIMENT LOADS: Maximum daily 167,000 tons Aug. 11, 1980; minimum daily, 19 tons Jan. 22, 23, 1984.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 615 mg/L Feb. 15; minimum daily mean, 4 mg/L Jan. 21-23.
SEDIMENT LOADS: Maximum daily, 39,900 tons Feb. 15; minimum daily, 19 tons Jan. 22, 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
18...	1130	2120	920	7.7	11.0	15.5	14	8.8	90	93
DEC										
13...	0900	20000	505	7.8	4.0	6.0	28	10.9	90	4000
FEB										
09...	1000	7760	485	7.4	1.0	1.0	22	12.6	92	8000
MAY										
03...	0930	12400	520	7.5	14.5	14.0	17	9.7	98	420
JUL										
05...	1030	3150	695	8.2	26.0	23.0	13	7.9	96	75
AUG										
10...	1110	3720	780	7.8	26.0	25.5	6.3	7.0	89	70

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT										
18...	87	88	27	51	28	2	6.4	141	180	110
DEC										
13...	6400	52	15	24	21	.9	2.9	85	110	39
FEB										
09...	6400	45	14	26	24	.9	6.1	77	95	46
MAY										
03...	1200	56	17	17	15	.5	2.7	91	110	30
JUL										
05...	50	69	22	32	21	.9	4.3	102	150	59
AUG										
10...	36	75	25	39	22	1	5.7	115	190	73

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT										
18...	.30	3.7	613	1.90	.220	.28	1.1	.170	.170	.020
DEC										
13...	.10	7.4	314	.720	.110	.14	.70	.060	.040	.040
FEB										
09...	.20	5.9	268	1.70	.670	.86	2.5	.290	.110	.060
MAY										
03...	<.20	5.9	353	1.40	.550	.71	1.0	.170	.110	.090
JUL										
05...	.30	.7	497	1.20	<.010	--	1.6	.100	<.010	<.010
AUG										
10...	.30	2.7	496	1.20	.180	.23	2.1	.140	.020	<.010

03150000 MUSKINGUM RIVER AT MCCONNELSVILLE, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
OCT											
18...	1130	2120	70	1	89	<.5	<1	1	<3	11	10
DEC											
13...	0900	20000	170	1	54	<.5	<1	20	<3	7	9
FEB											
09...	1000	7760	--	--	--	--	--	--	--	--	--
MAY											
03...	0930	12400	30	1	54	<1	<1	<1	<3	9	19
JUL											
05...	1030	3150	90	1	66	<1	<1	1	<3	9	12
AUG											
10...	1110	3720	--	--	--	--	--	--	--	--	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT											
18...	6	18	300	.3	<10	6	<1	<1	350	<6	8
DEC											
13...	2	9	170	.1	<10	5	<1	<1	240	<6	10
FEB											
09...	--	--	--	--	--	--	--	--	--	--	--
MAY											
03...	2	9	74	<.1	<10	6	<1	<1	240	<6	9
JUL											
05...	1	10	9	.2	<10	2	<1	<1	290	<6	10
AUG											
10...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT					
18...	1130	2120	15.5	33	189
DEC					
13...	0900	20000	6.0	74	4000
FEB					
09...	1000	7760	1.0	39	817
MAY					
03...	0930	12400	14.0	59	1980
JUL					
05...	1030	3150	23.0	23	196
AUG					
10...	1110	3720	25.5	29	291

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03150000 MUSKINGUM RIVER AT MCCONNELSVILLE, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	1230	36	120	2920	110	867	17000	109	5000
2	1190	48	154	2830	30	229	14000	77	2910
3	1120	48	145	4310	119	1380	10500	46	1300
4	1200	50	162	7680	139	2890	14200	78	2990
5	1470	50	198	9030	121	2950	20600	158	8790
6	1600	52	225	6690	62	1120	23800	218	14000
7	1600	56	242	5890	42	668	24100	230	15000
8	1650	39	174	5410	32	457	22800	195	12000
9	1600	60	259	4910	30	398	20900	159	8970
10	1510	42	171	4570	70	854	19100	136	7010
11	1480	52	208	6310	88	1500	17300	111	5180
12	1610	56	243	8770	108	2560	18300	125	6190
13	1680	34	154	12700	164	5620	20100	151	8190
14	1950	44	232	11600	54	1690	21100	168	9570
15	2230	42	253	10400	43	1210	20500	155	8590
16	2300	40	248	10100	44	1200	18800	126	6400
17	2240	40	242	10700	48	1390	16300	100	4400
18	2140	39	225	11900	59	1900	14000	79	2990
19	2230	17	102	12100	58	1890	12000	59	1910
20	2270	28	172	11100	50	1500	11000	51	1510
21	3040	39	320	10500	46	1300	9300	36	904
22	3560	45	433	10200	44	1210	10500	46	1300
23	8160	54	1190	9780	42	1110	12000	59	1910
24	9050	48	1170	9230	37	922	11400	55	1690
25	9330	38	957	9060	37	905	7700	28	582
26	7400	45	899	8970	36	872	6000	18	292
27	6200	31	519	8280	31	693	6000	18	292
28	5000	42	567	10900	51	1500	6040	21	342
29	4200	30	340	17300	107	5000	7940	29	622
30	3500	68	643	18300	121	5980	7900	29	619
31	3100	30	251	---	---	---	7400	26	519
TOTAL	96840	---	11218	272440	---	51775	448580	---	141952
		JANUARY			FEBRUARY			MARCH	
1	7290	25	492	5700	17	262	6340	32	548
2	6520	21	370	4940	13	173	6480	30	525
3	5960	18	290	5390	15	218	6310	25	426
4	5600	16	242	11900	56	1800	5770	20	312
5	5280	15	214	16300	100	4400	6060	16	262
6	5270	15	213	14400	80	3110	10800	152	4430
7	5420	16	234	10400	46	1290	15100	104	4240
8	5170	14	195	8530	32	737	15600	104	4380
9	4610	14	174	7630	27	556	13700	68	2520
10	4190	11	124	6840	21	388	11400	40	1230
11	3740	9	91	6860	24	445	10400	35	983
12	3340	8	72	11700	57	1800	9430	24	611
13	2980	6	48	15300	90	3720	8570	20	463
14	3010	7	57	21200	484	29200	8290	23	515
15	3240	7	61	24000	615	39900	8150	20	440
16	2980	6	48	24400	320	21100	10300	70	1950
17	2830	6	46	23600	218	13900	17800	115	5530
18	2740	6	44	20500	138	7640	22900	263	16300
19	2640	6	43	18100	119	5820	23100	198	12300
20	2320	5	31	16500	94	4190	21100	170	9680
21	1910	4	21	15100	90	3670	30600	163	13500
22	1750	4	19	15100	70	2850	34000	191	17500
23	1800	4	19	12100	52	1700	31400	200	17000
24	3150	7	60	10200	52	1430	28000	190	14400
25	7960	30	645	8990	89	2160	29700	180	14400
26	12300	63	2090	8670	34	796	32400	170	14900
27	12700	64	2190	8440	38	856	29600	150	12000
28	12000	59	1910	7760	27	566	30700	140	11600
29	11500	55	1710	6480	22	385	33600	160	14500
30	8480	31	710	---	---	---	31700	170	14600
31	7160	25	483	---	---	---	31400	150	12700
TOTAL	165840	---	12946	367030	---	155072	580700	---	224745

03150000 MUSKINGUM RIVER AT MCCONNELSVILLE, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	31500	145	12300	16500	150	6680	15500	82	3430
2	30600	139	11500	13800	145	5400	13900	90	3390
3	29700	150	12000	12600	130	4420	11900	65	2090
4	30500	144	11900	14500	120	4700	10200	50	1380
5	28400	130	9970	17900	115	5560	8580	40	927
6	30600	120	9910	18000	110	5350	7650	38	785
7	29700	106	8500	16900	112	5110	7190	36	699
8	27900	102	7680	14600	80	3150	6820	31	571
9	25900	80	5590	14800	68	2720	6110	30	495
10	24100	76	4950	16300	106	4670	5440	28	411
11	22300	75	4520	15900	70	3010	4900	25	331
12	18900	74	3780	14800	70	2800	4490	20	242
13	19400	72	3770	13800	65	2420	4080	18	198
14	19000	70	3590	14100	70	2660	4350	20	235
15	19700	72	3830	13300	80	2870	4210	28	318
16	20200	74	4040	12100	65	2120	4080	36	397
17	21800	76	4470	10600	54	1550	3810	32	329
18	21500	78	4530	9450	46	1170	3590	28	271
19	20000	68	3670	8640	48	1120	3500	30	283
20	19100	60	3090	7870	45	956	5170	86	1200
21	16700	55	2480	8920	54	1300	6230	92	1550
22	19000	136	6980	14300	97	3750	4880	65	856
23	22600	197	12000	19600	225	11900	4120	38	423
24	25800	244	17000	24300	315	20700	3880	36	377
25	27000	274	20000	23800	205	13200	3600	30	292
26	27400	284	21000	21200	150	8590	3430	25	232
27	26700	190	13700	18200	110	5410	3130	20	169
28	25400	175	12000	17300	88	4110	3000	18	146
29	22900	160	9890	20600	115	6400	2840	24	184
30	20300	150	8220	18900	120	6120	2900	28	219
31	---	---	---	17300	91	4250	---	---	---
TOTAL	724600	---	255860	480880	---	154156	173480	---	22420
		JULY			AUGUST			SEPTEMBER	
1	4520	30	366	2090	34	192	3400	35	321
2	4420	29	346	2120	36	206	3920	35	370
3	4100	26	288	2100	32	181	2980	36	290
4	3260	25	220	2390	30	194	2480	34	228
5	3270	23	203	3120	28	236	2320	32	200
6	7830	225	5040	3250	26	228	2320	32	200
7	8810	143	3400	2990	30	242	2090	30	169
8	8460	74	1690	3340	30	271	1920	30	156
9	7290	63	1240	3240	34	297	1780	30	144
10	5960	60	966	3710	36	351	1720	30	139
11	5230	55	777	4880	42	553	1670	30	135
12	4780	40	516	5490	40	593	1810	28	137
13	4410	25	298	4520	36	439	1900	28	144
14	4030	23	250	3740	32	323	1770	30	143
15	3630	24	235	3020	30	245	1760	30	143
16	3460	25	234	2620	26	184	1810	30	147
17	3340	26	234	2290	22	136	1890	28	143
18	3230	25	218	2090	24	135	1800	28	136
19	2970	24	192	1970	26	138	1640	26	115
20	2720	20	147	2020	28	153	1510	26	106
21	2510	18	122	2600	30	211	1460	26	102
22	2370	19	122	2310	32	200	1400	26	98
23	2270	17	104	2210	34	203	1350	26	95
24	2200	18	107	2040	32	176	1360	30	110
25	2100	19	108	2000	30	162	1290	33	115
26	2040	21	116	1950	30	158	1310	35	124
27	2110	22	125	1830	28	138	1400	32	121
28	2060	24	133	1720	28	130	1460	30	118
29	2840	26	199	1620	27	118	1520	30	123
30	2730	30	221	1630	27	119	1470	30	119
31	2290	32	198	2270	27	165	---	---	---
TOTAL	121240	---	19415	83170	---	7087	56510	---	4691
YEAR	3571310		1061347						

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PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM
FEB 14...	0940	21200	249	14300	33	46	58

DATE	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
FEB 14...	70	82	90	95	98	99	100

03157000 CLEAR CREEK NEAR ROCKBRIDGE, OH

LOCATION.--Lat 39°35'18", long 82°34'43", in NE 1/4 sec. 20, T.13 N., R.18 W., Hocking County, Hydrologic Unit 05030204, on left bank at upstream side of county road bridge, 400 ft downstream from unnamed right bank tributary, 2.0 mi upstream from mouth, and 3 mi west of Rockbridge.

DRAINAGE AREA.--89.0 mi².

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1305: 1940(M), 1943(M), 1945(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 760.13 ft National Geodetic Vertical Datum of 1929. Prior to May 2, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods which are fair. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--45 years, 89.3 ft³/s, 13.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,000 ft³/s July 22, 1948, gage height, 17.68 ft (from high-water mark in well), from rating curve extended above 4,300 ft³/s on basis of slope-area measurement of peak flow; minimum, 3.0 ft³/s Dec. 29, 1947, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,900 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar 21	0315	*2,450	* 8.91	No other peak above base.			

Minimum discharge, 13 ft³/s Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	30	112	45	46	69	176	89	120	27	19	19
2	14	30	93	44	110	70	147	84	101	35	19	23
3	13	68	104	43	279	65	139	126	86	32	20	24
4	22	55	577	42	155	61	345	173	74	27	21	24
5	36	43	297	41	113	260	422	118	67	28	25	21
6	24	37	307	40	73	312	381	140	61	31	23	21
7	19	35	220	39	57	186	230	130	57	33	22	21
8	18	32	148	39	52	155	183	209	53	26	24	20
9	18	30	125	38	49	117	156	185	49	26	20	19
10	18	41	131	38	53	92	134	137	47	27	19	20
11	19	224	128	37	68	80	117	117	44	26	26	21
12	21	133	166	37	115	70	105	114	42	27	21	21
13	24	82	134	36	141	68	104	95	40	24	20	23
14	27	64	120	35	504	100	103	86	40	24	19	24
15	21	67	108	34	241	193	97	77	37	27	19	25
16	20	114	91	34	168	279	89	70	36	43	18	20
17	19	137	75	33	131	171	147	65	36	25	18	21
18	26	91	69	32	129	140	179	62	35	24	19	21
19	32	74	64	32	135	121	177	60	34	22	19	21
20	27	70	71	32	114	273	137	58	32	21	19	21
21	76	70	62	31	98	1630	116	58	35	22	18	20
22	64	59	160	31	83	521	602	54	32	21	22	20
23	189	61	104	31	78	329	421	241	40	21	31	20
24	88	124	98	960	77	234	400	137	80	20	19	21
25	63	84	84	232	87	276	236	92	40	23	18	22
26	45	70	72	110	74	332	182	84	32	22	18	20
27	38	61	64	99	72	215	153	68	29	25	19	19
28	34	578	58	63	85	477	130	411	28	22	18	19
29	32	258	54	58	74	632	111	465	27	21	17	18
30	30	152	50	53	---	303	105	206	27	20	19	19
31	30	---	48	48	---	219	---	151	---	20	22	---
TOTAL	1122	2974	3994	2467	3461	8050	6032	4162	1461	792	631	628
MEAN	36.2	99.1	129	79.6	119	260	201	134	48.7	25.5	20.4	20.9
MAX	189	578	577	960	504	1630	602	465	120	43	31	25
MIN	13	30	48	31	46	61	89	54	27	20	17	18
CFSM	.41	1.11	1.45	.89	1.34	2.92	2.26	1.51	.55	.29	.23	.24
IN.	.47	1.24	1.67	1.03	1.45	3.36	2.52	1.74	.61	.33	.26	.26

CAL YR 1983 TOTAL 35880 MEAN 98.3 MAX 1990 MIN 12 CFSM 1.10 IN 15.00
WTR YR 1984 TOTAL 35774 MEAN 97.7 MAX 1630 MIN 13 CFSM 1.10 IN 14.95

03157500 HOCKING RIVER AT ENTERPRISE, OH

LOCATION.--Lat 39°33'54", long 82°28'30", in NW 1/4 sec. 5,T.14 N., R.17 W., Hocking County, Hydrologic Unit 05030204 , at right bank at upstream side of bridge at Enterprise, 4.0 mi downstream from Buck Run, and 4.3 mi upstream from Scott Creek.

DRAINAGE AREA.--459 mi².

PERIOD OF RECORD.--October 1930 to current year. Prior to May 1931 monthly discharge only, published in WSP 1305

REVISED RECORDS.--WSP 873: 1938. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 723.58 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 24, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good. Flood flow affected by temporary retention in eight retarding basins, combined capacity, 8,710 acre-ft constructed between 1955 and 1961 upstream from station. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--54 years, 461 ft³ /s, 13.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,000 ft³/s Mar. 10, 1964, gage height, 21.31 ft, from rating curve extended above 17,000 ft³/s on basis of contracted-opening and slope-area measurement of peak flow; minimum daily, 23 ft³/s Aug. 12, 13, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1907, reached a stage of 22.0 ft, from floodmark, discharge, 36,000 ft³/s, from reports of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	1800	3780	9.42	Apr. 23	0230	5100	11.42
Mar. 21	1830	*6770	*13.29	May 29	0430	4230	10.16
Mar. 29	1330	4780	11.03				

Minimum daily discharge, 45 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	140	553	230	228	280	1190	549	677	159	73	56
2	53	136	441	220	278	280	934	490	543	273	83	54
3	52	293	507	220	1040	270	815	599	450	276	106	54
4	67	327	2400	210	1060	270	1340	1070	380	161	91	56
5	172	237	2230	210	572	450	2530	737	336	149	97	57
6	132	195	1450	200	396	1760	2210	722	304	151	116	51
7	90	174	1320	190	283	1080	1620	719	276	179	106	57
8	73	159	855	180	270	837	1160	823	250	141	137	56
9	66	149	678	180	268	610	932	953	227	122	114	52
10	62	173	656	170	271	470	789	735	205	124	86	49
11	66	996	633	170	365	410	570	616	193	118	120	53
12	72	898	821	160	469	370	590	610	179	179	86	52
13	81	496	772	160	587	350	566	545	174	143	73	48
14	100	361	651	150	2590	450	555	474	167	114	69	53
15	92	342	614	150	1600	683	588	420	161	110	66	85
16	76	576	548	150	988	1050	532	380	153	287	64	54
17	71	647	464	150	779	893	997	349	149	161	63	57
18	96	465	406	140	785	695	1340	327	147	122	63	53
19	143	378	377	140	730	595	1300	309	147	102	61	52
20	133	348	320	140	619	612	977	293	147	94	58	49
21	371	366	334	140	517	5610	779	325	145	93	58	48
22	382	322	692	140	448	4450	2270	312	133	90	61	47
23	1390	298	580	150	407	2390	4270	1120	143	85	174	45
24	714	469	500	900	380	1660	2940	1110	327	83	99	48
25	423	400	440	1780	340	1450	1920	581	205	90	72	52
26	293	324	370	782	320	2340	1320	451	153	93	63	54
27	231	283	320	540	300	1550	1030	374	135	102	58	50
28	194	2170	290	381	290	1660	873	807	133	90	57	49
29	169	1710	270	330	280	4660	717	3670	128	85	57	50
30	152	831	250	292	---	2640	643	1550	145	80	57	53
31	144	---	240	266	---	1660	---	942	---	76	60	---
TOTAL	6214	14663	20982	9221	17460	42485	38397	22962	6912	4142	2548	1624
MEAN	200	489	677	297	602	1370	1280	741	230	134	82.2	54.1
MAX	1390	2170	2400	1780	2590	5610	4270	3670	677	287	174	85
MIN	52	136	240	140	228	270	532	293	128	76	57	45
CFSM	.44	1.07	1.48	.65	1.31	2.99	2.79	1.61	.50	.29	.18	.12
IN.	.50	1.19	1.70	.75	1.42	3.44	3.11	1.86	.56	.34	.21	.13

CAL YR 1983 TOTAL 185361 MEAN 508 MAX 7610 MIN 52 CFSM 1.11 IN 15.02
WTR YR 1984 TOTAL 187610 MEAN 513 MAX 5610 MIN 45 CFSM 1.12 IN 15.20

03159510 HOCKING RIVER BELOW ATHENS, OH

NATIONAL STREAM-QUALITY ACCOUNTING NETWORK STATION

LOCATION.--Lat 39°19'39", long 82°00'18", Athens County, Hydrologic Unit 05030204, at downstream side of Harmony Lane Bridge, 3.5 mi east of Athens, 1.1 mi downstream from Strouds Run, and 2.8 mi upstream from Scott Creek.

DRAINAGE AREA.--957 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 600.00 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 17, 1931, nonrecording gage at site 5.3 mi upstream at datum 11.26 ft higher, Aug. 18, 1931 to June 18, 1970, at datum 14.81 ft higher, and Oct. 1, 1971 to Sept. 30, 1976, at datum 11.26 ft higher.

REMARKS.--Records good except for winter periods which are fair. Some regulation by Burr Oak Reservoir on East Branch Sunday Creek 34.3 mi upstream beginning 1952; by Hocking Lake, capacity 3,080 acre-ft, on Clear Fork 44.7 mi upstream beginning in 1949; by temporary retention in eight retarding basins, combined capacity, 8,710 acre-ft, constructed between 1955 and 1961 upstream from Lancaster, and Dow Lake capacity 1,884 acre-ft, on Strounds Run, 1.1 mi upstream.

AVERAGE DISCHARGE.--8 years, 1,166 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft³/s Feb. 27, 1979, gage height, 25.45 ft; minimum daily, 71 ft³/s Sept. 23, 1984.

EXTREMES OUTSIDE PERIOD RECORD.--Flood of Mar. 11, 1964 reached a stage of 24.18 ft at site and datum then in use, discharge, 32,900 ft³/s. Flood in March 1907 reached a stage of 27 ft, site and datum then in use, discharge 50,000 ft³/s, estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,590 ft³/s Mar. 23, gage height, 21.19 ft; minimum daily, 71 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	240	1340	560	733	660	3300	1450	1630	309	140	96
2	75	222	1000	520	661	640	2460	1250	1250	322	137	94
3	75	248	895	500	804	620	1970	1280	1040	372	142	90
4	80	430	1940	480	1840	600	3260	2360	875	384	161	94
5	90	474	5380	460	1530	580	6160	2100	751	355	165	94
6	165	377	3540	450	1130	2000	5720	1740	668	384	171	96
7	173	316	3220	430	914	3040	4590	2010	595	359	180	92
8	134	308	2350	420	747	2120	3250	1770	539	311	225	94
9	108	316	1730	390	711	1720	2390	1980	488	251	188	90
10	98	486	1760	380	658	1290	2000	1840	445	227	178	87
11	90	1980	1650	360	675	1000	1680	1560	415	219	156	83
12	110	2430	2140	350	868	900	1480	1570	386	236	160	82
13	105	1590	2410	350	1090	800	1370	1580	361	306	154	82
14	106	1010	2030	340	3200	760	1310	1340	336	244	135	80
15	118	835	1780	340	5270	900	1300	1180	317	207	126	96
16	123	1170	1460	330	2850	1390	1270	1010	298	195	121	89
17	111	1490	1240	320	2070	1680	1240	906	285	336	121	99
18	111	1270	1030	310	1630	1420	1890	829	275	251	124	87
19	144	964	906	310	1580	1240	2220	777	267	199	113	80
20	215	824	803	310	1480	1220	2030	726	251	182	108	78
21	368	806	740	300	1290	4540	1680	650	248	174	104	76
22	870	748	1210	300	1130	9600	2120	633	242	165	104	73
23	2490	639	1860	320	1010	8750	6320	807	235	161	113	71
24	2580	611	1410	340	941	4420	8470	2410	236	156	154	73
25	1500	737	1130	1500	883	3230	5510	1430	407	154	154	78
26	1080	646	1000	5990	780	4230	3440	1020	314	156	124	78
27	677	552	900	4610	720	4420	2700	945	246	184	113	73
28	462	1190	800	3310	700	3640	2430	826	229	178	106	74
29	366	3960	700	1820	680	7870	2050	4580	227	153	99	74
30	311	2200	620	1130	---	9190	1790	5880	223	151	96	73
31	267	---	580	930	---	5790	---	2620	---	144	96	---
TOTAL	13278	29069	49554	28460	38635	89260	87400	51059	14079	7445	4268	2526
MEAN	428	969	1599	918	1332	2879	2913	1647	469	240	138	84.2
MAX	2580	3960	5380	5990	5270	9190	8470	5880	1630	384	225	99
MIN	75	222	580	300	658	580	1240	633	223	144	96	71

CAL YR 1983 TOTAL 401901 MEAN 1101 MAX 15400 MIN 75
WTR YR 1984 TOTAL 415033 MEAN 1134 MAX 9190 MIN 71

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03159510 HOCKING RIVER BELOW ATHENS, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

REMARKS.--Water-quality monitor data collected at this site 1966 to 1980. Daily Sediment data collected 1978-1982.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
16...	0900	1190	565	7.5	4.0	6.0	20	11.0	92	6500
JAN										
25...	1300	3380	665	7.6	2.5	2.0	120	10.8	80	5000
MAY										
09...	1300	2100	475	7.3	12.5	14.0	30	12.4	125	5600
JUL										
17...	1430	378	830	8.3	28.5	25.5	6.0	11.2	142	230

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV										
16...	4500	53	18	26	21	.8	2.8	63	130	52
JAN										
25...	8900	56	21	41	28	1	3.2	89	130	74
MAY										
09...	1600	45	17	18	17	.6	2.0	63	110	33
JUL										
17...	K32	77	29	44	23	1	3.4	109	210	78

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV										
16...	.20	8.2	352	1.50	.250	.32	1.0	.130	.020	.010
JAN										
25...	.20	7.8	430	1.10	.760	.98	2.4	.800	.040	.010
MAY										
09...	.20	8.7	349	.930	.060	.08	.60	.120	<.010	<.010
JUL										
17...	.30	5.9	613	.640	<.010	--	.50	.060	.010	<.010

03159510 HOCKING RIVER BELOW ATHENS, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
NOV 16...	0900	1190	20	1	62	<.5	<1	9	<3	7	15
JAN 25...	1300	3380	60	1	68	<.5	<1	2	8	7	13
MAY 09...	1300	2100	180	1	56	<1	<1	10	3	5	260
JUL 17...	1430	378	80	1	66	<1	<1	6	<3	4	33

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 16...	6	8	550	.1	<10	11	<1	<1	320	<6	10
JAN 25...	2	12	1000	.2	<10	13	<1	<1	330	<6	17
MAY 09...	2	14	290	.2	<10	11	<1	<1	260	<6	8
JUL 17...	3	31	120	.4	<10	4	<1	1	430	<6	5

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUS-PENDED (MG/L)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 16...	0900	1190	6.0	56	180
JAN 25...	1300	3380	2.0	524	4780
MAY 09...	1300	2100	14.0	3050	17300
JUL 17...	1430	378	25.5	33	34

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03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH

LOCATION.--Lat 39°10'14", long 82°03'04", Meigs County, Hydrologic Unit 05030202, on right bank at downstream side of bridge on S.R. 681, 1.6 mi west of Burlingham, 9.6 mi upstream from Langsbury Creek, and 11.4 mi south-southeast of Athens.

DRAINAGE AREA.--22.2 mi².

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--June 1983 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 680 ft from topographic map.

REMARKS.--Records good except those for winter periods which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 582 ft³/s May 28, 1984, gage height, 9.02 ft; minimum daily discharge, no flow many days Aug, Sept, Oct. 1983 and July, Aug, and Sept. 1984.

EXTREMES FOR PERIOD JUNE TO SEPTEMBER 1983.--Maximum discharge, 147 ft³/s July 1, gage height 5.02 ft, no peaks above base of 300 ft³/s; minimum daily discharge, no flow for many days during Aug. and Sept.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 24	2045	324	6.93	Apr. 4	2030	402	7.61
Mar. 28	2400	345	7.12	May 28	2130	*582	*9.02

Minimum daily discharge, no flow for many days in Oct, Jul, Aug, and Sept.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									15	45	21	.00
2									11	6.4	3.2	.00
3									18	3.7	1.6	.00
4									60	3.9	.97	.00
5									22	5.8	.68	.00
6									15	1.7	1.7	.00
7									12	1.3	.76	.00
8									7.6	1.0	.55	.00
9									5.6	.82	.55	.00
10									5.2	.73	.21	.00
11									4.6	.61	.33	.00
12									4.5	.55	1.1	.00
13									4.2	.50	.38	.00
14									4.1	.51	.21	.00
15									3.9	.50	.18	.05
16									3.8	.49	.14	.10
17									3.9	.49	.12	.15
18									4.7	7.6	.12	.06
19									18	1.9	.10	.05
20									15	1.2	.03	.05
21									8.7	1.0	.02	.21
22									4.5	.94	.02	.14
23									3.4	.91	.00	.06
24									3.1	42	.00	.04
25									3.0	9.3	.00	.04
26									3.0	7.0	.00	.00
27									3.0	2.3	.00	.00
28									3.3	1.4	.00	.00
29									4.3	.97	.00	.00
30									13	.76	.00	.00
31									---	.60	.00	---
TOTAL									287.4	151.88	33.97	.95
MEAN									9.58	4.90	1.10	.032
MAX									60	45	21	.21
MIN									3.0	.49	.00	.00
CFSM									.43	.22	.05	.001
IN.									.48	.25	.06	.00

03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.0	14	11	42	14	33	20	21	23	1.0	.00
2	.00	1.7	13	10	44	14	26	18	16	5.2	1.0	.00
3	.00	5.0	14	10	42	26	40	38	12	2.0	1.0	.00
4	.00	6.6	121	9.6	33	34	232	42	7.8	1.6	1.7	.00
5	.00	6.0	51	9.4	23	84	160	27	6.3	23	4.6	.00
6	.00	4.8	80	9.0	19	75	98	33	4.8	16	2.2	.00
7	.00	3.1	51	8.6	20	37	57	34	3.7	4.3	2.0	.00
8	.00	2.8	30	8.2	23	29	40	35	3.5	1.4	1.8	.00
9	.00	2.6	41	7.8	19	27	32	37	3.0	.68	1.7	.00
10	.00	140	96	7.6	16	24	27	27	2.8	.62	1.8	.00
11	.04	128	46	7.4	20	19	22	21	2.8	5.7	3.5	.00
12	.18	31	170	7.2	23	17	19	29	3.0	3.2	1.8	.00
13	.18	17	73	7.0	30	18	20	22	1.8	.45	.89	.00
14	.08	12	47	6.8	75	17	17	18	1.6	.04	.40	.00
15	.05	36	42	6.8	42	10	16	16	1.7	.01	.21	.00
16	.04	50	29	5.6	29	15	14	13	1.6	.00	.08	.00
17	.04	37	23	6.2	26	15	14	10	1.4	.00	.02	.00
18	.10	21	17	5.8	23	14	19	9.6	2.0	.00	.01	.00
19	.10	17	15	5.2	26	13	18	6.9	3.3	.00	.01	.00
20	.50	15	13	4.7	24	15	16	5.2	1.6	.00	.00	.00
21	14	17	20	4.3	20	171	14	5.8	1.8	.00	.00	.00
22	27	14	110	4.0	15	75	117	6.0	1.4	.00	.00	.00
23	136	12	90	50	17	50	107	13	1.4	.00	.00	.00
24	107	12	33	277	15	28	100	7.8	14	.00	.00	.00
25	52	10	21	157	16	28	55	8.5	3.3	.01	.00	.00
26	15	8.2	16	93	15	30	40	4.3	1.3	.21	.00	.00
27	9.2	7.2	14	70	14	25	44	3.9	1.1	2.1	.00	.00
28	6.6	107	12	55	14	234	35	103	1.6	10	.00	.00
29	5.2	35	11	45	14	218	27	184	2.8	5.0	.00	.00
30	3.5	19	11	41	---	74	26	41	3.0	1.1	.00	.00
31	2.5	---	11	39	---	44	---	29	---	1.1	.00	---
TOTAL	379.31	780.0	1335	990.2	736	1494	1485	868.0	133.4	106.72	25.72	.00
MEAN	12.2	26.0	43.1	31.9	25.4	48.2	49.5	28.0	4.45	3.44	.83	.000
MAX	136	140	170	277	75	234	232	184	21	23	4.6	.00
MIN	.00	1.7	11	4.0	14	10	14	3.9	1.1	.00	.00	.00
CFSM	.55	1.17	1.94	1.44	1.14	2.17	2.23	1.26	.20	.16	.04	.000
IN.	.64	1.31	2.24	1.66	1.24	2.50	2.49	1.45	.22	.18	.04	.00

WTR YR 1984 TOTAL 8335.35 MEAN 22.8 MAX 277 MIN .00 CFSM 1.03 IN 13.97

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03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH--Continued

WATER QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: June 1983 to current year.

INSTRUMENTATION.--Sediment-pumping sampler since June 1983.

REMARKS.--In addition to the sediment-pumping sampler, sediment samples were collected by a local observer on a daily basis.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT CONCENTRATIONS: Maximum daily mean, 8130 mg/L July 1, 1983; minimum daily mean, 0 mg/L many days 1983, 1984.
SEDIMENT LOADS: Maximum daily 1510 tons July 1, 1983; minimum daily, 0.0 tons many days 1983, 1984.

EXTREMES FOR PERIOD JUNE TO SEPTEMBER 1983.--
SUSPENDED SEDIMENT CONCENTRATIONS: Maximum daily mean, 8130 mg/L July 1; minimum daily mean, 0 mg/L many days during the year.
SEDIMENT LOADS: Maximum daily, 1510 tons July 1, minimum daily 0.0 tons many days during the year.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED SEDIMENT CONCENTRATIONS: Maximum daily mean, 2990 mg/L July 11; minimum daily mean, 0 mg/L many days during the year
SEDIMENT LOADS: Maximum daily 868 tons May 28; minimum daily, 0.0 tons many days during the year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	ACIDITY (MG/L AS H)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
JUN 28...	1400	2.4	502	6.5	25.0	1.0	33	210

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JUN 28...	1000	<100	1700	1500	210	3300	0	3300

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	ACIDITY (MG/L AS H)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
JAN 16...	1200	6.7	455	5.8	2.5	.5	.1	18	200
MAY 21...	1450	5.4	411	6.7	27.0	24.5	.1	30	170

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JAN 16...	1000	<100	1400	200	1200	3300	0	3300
MAY 21...	400	100	570	--	650	2200	--	2000

03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1							15	5	.20
2							11	5	.15
3							18	2300	334
4							60	6050	1100
5							22	413	29
6							15	1130	59
7							12	275	11
8							7.6	10	.21
9							5.6	5	.08
10							5.2	5	.07
11							4.6	5	.06
12							4.5	5	.06
13							4.2	5	.06
14							4.1	5	.06
15							3.9	5	.05
16							3.8	5	.05
17							3.9	5	.05
18							4.7	5	.06
19							18	2030	231
20							15	820	38
21							8.7	25	.59
22							4.5	5	.06
23							3.4	5	.05
24							3.1	5	.04
25							3.0	5	.04
26							3.0	5	.04
27							3.0	5	.04
28							3.3	5	.04
29							4.3	10	.12
30							13	1820	242
31							---	---	---
TOTAL									
		JULY			AUGUST			SEPTEMBER	
1	45	8130	1510	21	7340	156	.00	0	.00
2	6.4	353	8.8	3.2	60	.60	.00	0	.00
3	3.7	30	.30	1.6	10	.04	.00	0	.00
4	3.9	219	5.9	.97	10	.30	.00	0	.00
5	5.8	134	2.2	.68	5	.00	.00	0	.00
6	1.7	30	.14	1.7	5	.02	.00	0	.00
7	1.3	30	.11	.76	5	.01	.00	0	.00
8	1.0	28	.08	.55	5	.00	.00	0	.00
9	.82	20	.04	.55	5	.00	.00	0	.00
10	.73	20	.04	.21	5	.00	.00	0	.00
11	.61	20	.03	.33	5	.00	.00	0	.00
12	.55	20	.03	1.1	5	.01	.00	0	.00
13	.50	16	.02	.38	5	.00	.00	0	.00
14	.51	15	.02	.21	5	.00	.00	0	.00
15	.50	14	.02	.18	5	.00	.05	5	.00
16	.49	12	.02	.14	5	.00	.10	5	.00
17	.49	10	.01	.12	5	.00	.15	5	.00
18	7.6	2170	93	.12	5	.00	.06	5	.00
19	1.9	80	.48	.10	5	.00	.05	5	.00
20	1.2	20	.06	.03	5	.00	.05	5	.00
21	1.0	15	.04	.02	5	.00	.21	5	.00
22	.94	15	.04	.02	5	.00	.14	5	.00
23	.91	10	.02	.00	0	.00	.06	5	.00
24	42	4290	826	.00	0	.00	.04	5	.00
25	9.3	1830	147	.00	0	.00	.04	5	.00
26	7.0	1090	30	.00	0	.00	.00	0	.00
27	2.3	15	.09	.00	0	.00	.00	0	.00
28	1.4	15	.06	.00	0	.00	.00	0	.00
29	.97	10	.03	.00	0	.00	.00	0	.00
30	.76	10	.02	.00	0	.00	.00	0	.00
31	.60	10	.02	.00	0	.00	---	---	---
TOTAL	151.88	---	2624.62	33.97	---	156.98	0.95	---	0.00
YEAR	474.20		4827.78						

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	.00	0	.00	2.0	8	.04	14	55	2.1
2	.00	0	.00	1.7	8	.04	13	49	1.7
3	.00	0	.00	5.0	8	.11	14	44	1.7
4	.00	0	.00	6.6	8	.14	121	364	120
5	.00	0	.00	6.0	8	.13	51	121	17
6	.00	0	.00	4.8	8	.10	80	196	48
7	.00	0	.00	3.1	8	.07	51	112	110
8	.00	0	.00	2.8	8	.06	30	47	3.8
9	.00	0	.00	2.6	8	.06	41	85	19
10	.00	0	.00	140	552	318	96	221	55
11	.04	4	.00	128	346	150	46	169	20
12	.18	4	.00	31	42	3.5	170	389	180
13	.18	1120	.88	17	10	.46	73	247	59
14	.08	71	.02	12	8	.26	47	117	14
15	.05	8	.00	36	110	15	42	69	7.7
16	.04	4	.00	50	128	17	29	27	2.1
17	.04	4	.00	37	76	7.6	23	17	1.1
18	.10	4	.00	21	59	3.3	17	15	.69
19	.10	4	.00	17	49	2.2	15	14	.57
20	.50	4	.00	15	45	1.8	13	13	.46
21	14	89	3.5	17	41	1.9	20	70	3.8
22	27	313	47	14	33	1.2	110	168	50
23	136	903	414	12	29	.94	90	55	13
24	107	416	191	12	25	.81	33	28	2.5
25	52	372	63	10	22	.59	21	20	1.1
26	15	67	2.7	8.2	18	.40	16	17	.73
27	9.2	17	.42	7.2	22	.43	14	16	.60
28	6.6	8	.14	107	288	90	12	16	.52
29	5.2	8	.11	35	101	9.5	11	16	.48
30	3.5	8	.08	19	67	3.4	11	15	.45
31	2.5	8	.05	---	---	---	11	14	.42
TOTAL	379.31	---	722.90	780.0	---	629.04	1335	---	737.52
		JANUARY			FEBRUARY			MARCH	
1	11	12	.36	42	47	5.3	14	10	.38
2	10	12	.32	44	26	3.1	14	10	.38
3	10	13	.35	42	60	6.8	26	11	.77
4	9.6	12	.31	33	39	3.5	34	17	1.6
5	9.4	12	.30	23	25	1.6	84	109	25
6	9.0	12	.29	19	22	1.1	75	25	5.1
7	8.6	12	.28	20	60	3.2	37	14	1.4
8	8.2	12	.27	23	63	3.9	29	13	1.0
9	7.8	12	.25	19	31	1.6	27	13	.95
10	7.6	11	.23	16	27	1.2	24	13	.84
11	7.4	13	.26	20	42	2.3	19	12	.62
12	7.2	15	.29	23	50	3.1	17	12	.55
13	7.0	15	.28	30	94	9.0	18	12	.56
14	6.8	16	.29	75	235	50	17	12	.55
15	6.8	16	.29	42	98	11	10	18	.49
16	6.6	18	.32	29	46	3.6	15	13	.53
17	6.2	16	.27	26	25	1.8	15	12	.49
18	5.8	16	.25	23	17	1.1	14	17	.64
19	5.2	16	.22	25	15	1.0	13	23	.81
20	4.7	14	.18	24	15	.97	15	23	.93
21	4.3	14	.16	20	13	.70	171	1150	565
22	4.0	14	.15	15	13	.53	75	356	74
23	50	13	1.8	17	14	.64	50	185	25
24	277	156	117	15	13	.53	28	42	3.2
25	157	84	36	16	13	.56	28	29	2.2
26	93	59	15	15	12	.49	30	24	1.9
27	70	57	11	14	12	.45	25	24	1.6
28	55	38	5.6	14	11	.42	234	755	545
29	45	24	2.9	14	11	.42	218	1030	649
30	41	20	2.2	---	---	---	74	332	69
31	39	19	2.0	---	---	---	44	157	19
TOTAL	990.2	---	199.42	738	---	119.91	1494	---	1998.51

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03159534 WEST BRANCH SHADE RIVER NEAR BURLINGHAM, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	33	60	5.4	20	59	3.1	21	320	17
2	26	48	3.4	13	46	2.2	16	99	4.0
3	40	210	52	38	417	42	12	29	.94
4	232	1080	706	42	143	19	7.8	15	.32
5	160	621	270	27	67	5.1	6.3	18	.31
6	98	466	99	33	153	15	4.8	21	.27
7	57	165	26	34	70	6.4	3.7	11	.11
8	40	88	9.5	35	92	11	3.5	53	4.7
9	32	67	5.8	37	152	15	3.0	8	.06
10	27	53	3.9	27	145	11	2.8	6	.05
11	22	39	2.3	21	44	2.5	2.8	7	.05
12	19	34	1.7	29	158	14	3.0	69	.77
13	20	34	1.6	22	43	2.6	1.8	17	.08
14	17	24	1.1	18	67	3.4	1.6	35	.15
15	16	24	1.0	16	95	4.3	1.7	37	.17
16	14	22	.33	15	77	2.5	1.6	13	.06
17	14	55	2.1	10	30	.81	1.4	13	.05
18	19	124	6.5	9.6	150	4.3	2.0	---	---
19	18	70	3.5	6.9	35	.69	3.3	73	.88
20	16	24	1.0	5.2	10	.14	1.6	17	.07
21	14	17	.64	5.8	73	1.6	1.8	40	.25
22	117	692	410	6.0	69	1.6	1.4	21	.08
23	107	399	126	13	132	5.9	1.4	15	.06
24	100	379	106	7.8	27	.57	14	203	9.3
25	55	156	25	8.5	88	2.7	3.3	241	2.1
26	40	52	5.6	4.3	11	.13	1.3	108	.38
27	44	116	13	3.9	8	.08	1.1	21	.06
28	35	116	11	103	2820	868	1.6	7	.03
29	27	42	3.1	184	397	204	2.8	76	1.6
30	26	42	2.9	41	189	21	3.0	169	1.4
31	---	---	---	29	569	42	---	---	---
TOTAL	1485	---	1908.07	870.0	---	1312.62	133.4	---	45.30
		JULY			AUGUST			SEPTEMBER	
1	23	237	13	1.0	27	.07	.00	0	.00
2	5.2	86	1.3	1.0	13	.04	.00	0	.00
3	2.0	19	.10	1.0	8	.02	.00	0	.00
4	1.6	13	.06	1.7	7	.03	.00	0	.00
5	23	2120	257	4.6	6	.07	.00	0	.00
6	16	888	37	2.2	3	.02	.00	0	.00
7	4.3	106	1.2	2.0	3	.02	.00	0	.00
8	1.4	34	.13	1.8	3	.01	.00	0	.00
9	.68	13	.02	1.7	2	.00	.00	0	.00
10	.62	6	.01	1.8	2	.00	.00	0	.00
11	5.7	2990	123	3.5	2	.02	.00	0	.00
12	3.2	1600	21	1.9	2	.00	.00	0	.00
13	.43	6	.00	.89	2	.00	.00	0	.00
14	.04	3	.00	.40	2	.00	.00	0	.00
15	.01	2	.00	.21	2	.00	.00	0	.00
16	.00	0	.00	.08	2	.00	.00	0	.00
17	.00	0	.00	.02	2	.00	.00	0	.00
18	.00	0	.00	.01	2	.00	.00	0	.00
19	.00	0	.00	.01	2	.00	.00	0	.00
20	.00	0	.00	.00	0	.00	.00	0	.00
21	.00	0	.00	.00	0	.00	.00	0	.00
22	.00	0	.00	.00	0	.00	.00	0	.00
23	.00	0	.00	.00	0	.00	.00	0	.00
24	.00	0	.00	.00	0	.00	.00	0	.00
25	.01	0	.00	.00	0	.00	.00	0	.00
26	.21	6	.00	.00	0	.00	.00	0	.00
27	2.1	8	.05	.00	0	.00	.00	0	.00
28	10	2280	257	.00	0	.00	.00	0	.00
29	5.0	1590	37	.00	0	.00	.00	0	.00
30	1.1	95	.28	.00	0	.00	.00	0	.00
31	1.1	59	.18	.00	0	.00	---	---	---
TOTAL	106.72	---	748.33	25.72	---	0.30	0.00	---	0.00
YEAR	6337.35		8421.92						

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03159540 SHADE RIVER NEAR CHESTER, OH

LOCATION.--Lat 39°03'49", long 81°52'55", in NE 1/4 sec. 10, T.3N., R.12 W ., Meigs County, Hydrologic Unit 05030202, on right bank at downstream side of bridge on Oak Hill Road, 200 ft upstream from Sugar Run, 2.8 mi southeast of Chester, and 8.5 mi northeast of Pomeroy.

DRAINAGE AREA.--156 mi², includes that of Sugar Run.

PERIOD OF RECORD.--Water years 1956, 1962-64 (Occasional low-flow measurements), June 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 576.91 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for winter periods which are fair. Water-quality data collected at this site 1965-77, 1979-81. Sediment data collected 1970-74.

AVERAGE DISCHARGE.--19 years, 173 ft³/s, 15.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,170 ft³/s May 25, 1968, gage height, 27.39 ft; minimum, 0.30 ft³/s Sept. 7-10, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,400 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 29	1830	* 2820	* 17.70	No other peaks above base.			

Minimum discharge, 0.45 ft³/s Oct. 3-6, 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	28	104	68	144	299	223	130	120	31	8.4	5.5
2	.87	26	80	64	117	228	167	112	93	51	6.4	4.9
3	.45	33	78	62	124	191	141	117	75	28	35	4.9
4	.60	54	477	58	190	179	1180	234	61	13	27	4.6
5	.45	55	559	56	179	319	1680	172	51	10	116	4.3
6	.45	41	380	52	126	577	708	158	45	51	93	4.3
7	.60	34	485	50	100	293	423	190	40	53	42	4.1
8	.60	30	227	48	101	194	282	164	36	40	38	4.1
9	.60	28	186	44	79	149	223	234	32	23	21	4.1
10	.45	590	711	42	69	111	188	179	28	16	19	4.1
11	.60	1410	376	40	72	123	161	142	23	13	16	3.8
12	1.7	360	1190	38	100	95	139	155	20	31	11	3.3
13	2.6	156	744	37	120	89	132	183	17	29	13	3.1
14	3.1	103	368	35	288	90	128	131	15	15	8.8	2.9
15	3.1	249	351	33	312	82	154	111	12	10	6.7	4.6
16	3.1	479	260	32	173	81	139	99	9.2	8.4	5.5	5.2
17	3.3	338	177	31	137	80	130	90	7.7	7.4	4.6	4.3
18	4.3	200	131	30	116	74	160	83	7.1	8.8	4.3	3.6
19	4.3	129	111	29	109	71	193	80	6.7	7.7	4.3	3.1
20	4.6	107	89	28	119	68	154	75	12	6.1	11	2.6
21	33	108	83	28	106	1100	130	70	9.9	5.5	7.4	2.4
22	164	101	996	27	90	812	599	74	6.1	4.9	5.5	1.9
23	750	81	741	27	80	409	1160	93	4.9	4.6	5.2	1.7
24	533	77	233	150	75	255	622	92	4.3	4.6	4.9	1.7
25	640	73	160	995	71	190	394	71	15	4.9	4.3	1.7
26	151	63	120	543	68	198	250	65	15	5.2	4.1	1.9
27	74	55	100	347	61	189	193	61	7.1	7.1	4.6	1.5
28	51	436	88	256	611	379	216	286	4.3	14	4.9	1.5
29	40	409	82	182	744	1370	169	2550	3.6	40	4.9	1.2
30	34	158	76	151	---	647	148	676	3.8	32	4.9	1.1
31	30	---	74	182	---	328	---	183	---	14	5.5	---
TOTAL	2536.67	6011	9837	3765	4681	9270	10586	7060	785.7	589.2	547.2	98.0
MEAN	81.8	200	317	121	161	299	353	228	26.2	19.0	17.7	3.27
MAX	750	1410	1190	995	744	1370	1680	2550	120	53	116	5.5
MIN	.45	26	74	27	61	68	128	61	3.5	4.6	4.1	1.1
CFSM	.52	1.28	2.03	.78	1.03	1.92	2.26	1.46	.17	.12	.11	.02
IN.	.60	1.43	2.35	.90	1.12	2.21	2.52	1.68	.19	.14	.13	.02

CAL YR 1983 TOTAL 62163.47 MEAN 170 MAX 2740 MIN .45 CFSM 1.09 IN 14.82
WTR YR 1984 TOTAL 55766.77 MEAN 152 MAX 2550 MIN .45 CFSM .97 IN 13.30

03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH

LOCATION.--Lat 39°08'29", long 81°52'39", Meigs County, Hydrologic Unit 05030202, on right bank at upstream side of bridge on Township Road, 2.1 mi downstream from Meigs Creek, 2.8 mi upstream from Big Run and 2.7 mi southwest of Tuppers Plains.

DRAINAGE AREA.--37.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1980 to September 1981, May 1983 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 600 ft from topographic map.

REMARKS.--
May-September 1983: Records good.
Water year 1984: Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1320 ft^3/s Feb. 2, 1981, gage height, 13.26 ft; minimum daily, no flow many days during summer and fall.

EXTREMES FOR PERIOD MAY TO SEPTEMBER 1983.--Maximum discharge, 618 ft^3/s May 23, gage height 10.18 ft, no other peaks above base of 550 ft^3/s; minimum daily, no flow many days in Aug. and all of Sept.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 550 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 24	1915	556	9.83	Apr. 4	2045	658	10.40
Dec. 12	1130	664	10.43	May 29	0300	*1020	*12.20
Mar. 21	1130	653	10.37				

Minimum daily discharge, no flow many days in Oct.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	24	3.0	2.1	.00
2								---	21	3.4	4.5	.00
3								---	30	1.3	1.8	.00
4								---	84	2.2	1.2	.00
5								---	48	3.4	1.0	.00
6								---	30	2.7	27	.00
7								---	47	1.6	5.0	.00
8								---	26	1.2	2.7	.00
9								---	18	.97	1.8	.00
10								---	14	.73	1.2	.00
11								---	11	.73	.84	.00
12								---	8.8	.54	.54	.00
13								---	7.1	.22	1.1	.00
14								---	6.1	.22	.63	.00
15								62	5.2	.19	.30	.00
16								235	4.7	.12	.19	.00
17								109	4.5	.10	.14	.00
18								60	4.3	.22	.10	.00
19								134	15	.47	.10	.00
20								266	22	.47	.14	.00
21								134	8.8	.47	.26	.00
22								262	6.6	.47	.16	.00
23								335	5.2	2.8	.00	.00
24								101	4.1	83	.00	.00
25								65	3.4	8.2	.03	.00
26								46	2.8	4.4	.02	.00
27								34	2.3	2.3	.00	.00
28								28	2.7	1.8	.00	.00
29								42	2.8	1.3	.00	.00
30								71	2.8	1.1	.00	.00
31								31	---	.84	.00	---
TOTAL								---	472.2	130.46	52.85	.00
MEAN								---	15.7	4.21	1.70	.000
MAX								---	84	83	27	.00
MIN								---	2.3	.10	.00	.00
CFSM								---	.42	.11	.05	.000
IN.								---	.47	.13	.05	.00

03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	5.0	31	15	42	83	60	26	26	9.8	1.2	.35
2	.00	4.8	24	14	36	69	47	22	19	5.7	1.2	.35
3	.00	5.0	22	14	36	59	53	26	15	3.0	9.1	.30
4	.00	7.4	180	14	42	54	414	46	12	2.0	34	.30
5	.00	6.4	110	14	40	95	274	31	9.5	1.8	45	.26
6	.00	5.5	131	14	34	119	126	32	7.9	7.4	15	.22
7	.00	4.6	103	14	23	76	94	36	6.6	4.1	7.1	.19
8	.00	3.8	65	14	25	60	67	36	5.7	2.8	7.6	.19
9	.00	3.3	74	15	18	38	53	58	5.0	1.9	5.0	.19
10	.00	238	198	14	17	33	43	39	4.3	1.4	3.3	.16
11	.00	408	93	14	19	35	37	31	3.7	2.4	3.9	.16
12	.00	76	437	13	27	24	33	49	3.1	4.8	3.1	.16
13	.00	41	144	13	34	25	31	41	2.8	2.2	2.2	.14
14	.40	28	90	13	115	24	28	31	2.3	1.4	1.9	.12
15	.11	118	92	12	80	23	28	25	2.0	1.1	1.6	.30
16	1.0	128	66	12	55	22	29	20	1.5	.97	1.4	.26
17	.84	94	49	11	44	21	29	18	1.5	.84	1.2	.22
18	.63	57	40	10	38	20	48	15	1.5	.54	1.0	.19
19	.63	40	34	8.0	36	19	57	14	2.0	.54	3.3	.16
20	.63	32	26	7.0	48	18	42	12	1.7	.47	2.0	.16
21	31	29	25	6.6	33	410	35	10	1.7	.47	1.4	.16
22	39	24	306	6.2	29	172	216	9.1	1.4	.47	1.2	.14
23	254	21	128	6.0	27	116	217	13	1.4	.40	1.2	.12
24	228	21	70	172	24	79	138	12	1.5	.40	1.1	.12
25	118	19	44	196	23	66	93	8.2	3.4	.40	1.4	.12
26	27	16	31	101	20	82	64	7.1	2.1	.40	1.2	.12
27	19	14	26	66	18	76	51	6.6	1.5	1.2	1.0	.06
28	12	155	22	51	178	167	48	33	1.2	1.7	.63	.06
29	9.1	79	20	43	154	262	36	161	1.7	9.1	.54	.06
30	7.1	47	18	38	---	119	32	76	1.3	2.8	.30	.06
31	5.5	---	16	43	---	80	---	40	---	1.5	.35	---
TOTAL	753.94	1730.8	2715	983.8	1315	2546	2540	983.0	150.3	74.00	160.42	5.40
MEAN	24.3	57.7	67.6	31.7	45.3	82.1	84.7	31.7	5.01	2.39	5.17	.18
MAX	254	408	437	196	178	410	414	161	26	9.8	45	.35
MIN	.00	3.3	16	6.0	17	18	28	6.6	1.2	.40	.30	.06
CFSM	.65	1.54	2.34	.85	1.21	2.19	2.26	.85	.13	.06	.14	.005
IN.	.75	1.72	2.69	.98	1.30	2.53	2.52	.98	.15	.07	.16	.01

WTR YR 1984 TOTAL 13957.66 MEAN 38.1 MAX 437 MIN .00 CFSM 1.02 IN 13.85

03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1980 to September 1981, May 1983 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1980 to September 1981.
pH: December 1980 to September 1981.
WATER TEMPERATURES: April 1980 to September 1981.
SUSPENDED SEDIMENT DISCHARGE: April 1980 to September 1981, May 1983 to current year.

INSTRUMENTATION.--Sediment-pumping sampler.

REMARKS.--Sediment samples were collected by a sediment-pumping sampler. Daily sediment samples collected by a local observer.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 1590 mg/L July 24, 1983; minimum daily mean, 0 mg/L many days.
SEDIMENT LOADS: Maximum daily, 1350 tons May 28, 1984; minimum daily, 0.0 tons many days.

EXTREMES FOR MAY-SEPTEMBER 1983.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 1590 mg/L July 24; minimum daily mean, 0 mg/L many days.
SEDIMENT LOADS: Maximum daily, 364 tons July 24; minimum daily 0.0 tons many days.

EXTREMES FOR WATER YEAR 1984.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 933 mg/L May 28; minimum daily mean, 0 mg/L many days.
SEDIMENT LOADS: Maximum daily, 1350 tons May 28; minimum daily 0.0 tons many days.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)
JUL									
05...	1215	3.5	441	7.0	25.0	25.5	139	28	700

DATE	ALUM-INUM, SUS-PENDED RECOV. (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JUL								
05...	400	300	1200	1200	30	400	60	340

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
JAN								
17...	0930	11	355	7.8	1.0	.0	110	44
MAY								
21...	1245	11	392	7.8	--	20.0	134	40

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JAN								
17...	<100	<100	130	70	60	160	0	160
MAY								
21...	200	100	760	--	50	230	--	160

03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH--Continued
SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1				---	---	---	24	17	1.1
2				---	---	---	21	11	.62
3				---	---	---	30	41	7.1
4				---	---	---	84	37	9.8
5				---	---	---	48	25	3.2
6				---	---	---	30	25	2.0
7				---	---	---	47	50	6.3
8				---	---	---	26	13	.91
9				---	---	---	18	10	.49
10				---	---	---	14	10	.38
11				---	---	---	11	10	.30
12				---	---	---	8.8	10	.24
13				---	---	---	7.1	10	.19
14				---	---	---	6.1	10	.16
15				62	89	20	5.2	10	.14
16				235	199	120	4.7	10	.13
17				109	50	16	4.5	10	.12
18				60	15	2.4	4.3	10	.12
19				134	163	67	15	50	4.6
20				266	209	153	22	41	2.4
21				134	40	14	8.8	10	.24
22				262	373	338	6.6	10	.18
23				335	275	299	5.2	10	.14
24				101	45	12	4.1	10	.11
25				65	16	2.8	3.4	10	.09
26				46	11	1.4	2.8	10	.08
27				34	10	.92	2.3	10	.06
28				28	9	.68	2.7	10	.07
29				42	71	13	2.8	10	.08
30				71	110	21	2.8	10	.08
31				31	40	3.3	---	---	---
TOTAL				2015	---	1084.50	472.2	---	41.43
		JULY			AUGUST			SEPTEMBER	
1	3.0	13	.11	2.1	62	.35	.00	0	.00
2	3.4	10	.09	4.5	28	.34	.00	0	.00
3	1.3	10	.04	1.8	25	.12	.00	0	.00
4	2.2	14	.08	1.2	14	.05	.00	0	.00
5	3.4	27	.25	1.0	25	.07	.00	0	.00
6	2.7	25	.18	27	301	24	.00	0	.00
7	1.6	16	.07	5.0	156	2.1	.00	0	.00
8	1.2	18	.06	2.7	95	.69	.00	0	.00
9	.97	15	.04	1.8	50	.24	.00	0	.00
10	.73	17	.03	1.2	30	.10	.00	0	.00
11	.73	20	.04	.84	46	.10	.00	0	.00
12	.54	18	.03	.54	25	.04	.00	0	.00
13	.22	19	.01	1.1	57	.17	.00	0	.00
14	.22	15	.00	.63	55	.09	.00	0	.00
15	.19	15	.00	.30	32	.03	.00	0	.00
16	.12	16	.00	.19	34	.02	.00	0	.00
17	.10	14	.00	.14	20	.00	.00	0	.00
18	.22	21	.01	.10	19	.00	.00	0	.00
19	.47	26	.03	.10	16	.00	.00	0	.00
20	.47	17	.02	.14	20	.00	.00	0	.00
21	.47	20	.03	.26	25	.02	.00	0	.00
22	.47	16	.02	.16	21	.00	.00	0	.00
23	2.8	681	21	.00	0	.00	.00	0	.00
24	83	1590	364	.00	0	.00	.00	0	.00
25	8.2	135	3.0	.03	24	.00	.00	0	.00
26	4.4	68	.81	.02	23	.00	.00	0	.00
27	2.3	65	.40	.00	0	.00	.00	0	.00
28	1.8	42	.20	.00	0	.00	.00	0	.00
29	1.3	34	.12	.00	0	.00	.00	0	.00
30	1.1	28	.08	.00	0	.00	.00	0	.00
31	.84	22	.05	.00	0	.00	---	---	---
TOTAL	130.46	---	390.80	52.85	---	28.53	0.00	---	0.00
YEAR	2670.81		1545.26						

NOTE: .NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	.00	0	.00	5.0	21	.28	31	4	.33
2	.00	0	.00	4.8	30	.39	24	3	.19
3	.00	0	.00	5.0	27	.36	22	3	.18
4	.00	0	.00	7.4	23	.46	140	91	49
5	.00	0	.00	6.4	14	.24	110	33	10
6	.00	0	.00	5.5	10	.15	131	61	24
7	.00	0	.00	4.6	10	.12	103	29	8.7
8	.00	0	.00	3.8	10	.10	65	12	2.1
9	.00	0	.00	3.3	11	.10	74	25	8.1
10	.00	0	.00	228	239	200	198	89	51
11	.00	0	.00	408	158	115	93	25	6.2
12	.00	0	.00	76	31	6.7	437	248	297
13	.00	0	.00	41	14	1.5	144	45	18
14	.40	24	.03	28	9	.68	90	23	5.6
15	.11	11	.00	118	75	36	92	30	7.4
16	1.0	13	.04	128	55	19	66	6	1.1
17	.84	16	.04	94	25	6.3	49	2	.26
18	.63	16	.03	57	14	2.2	40	2	.22
19	.63	18	.03	40	20	2.2	34	2	.18
20	.63	20	.03	32	20	1.7	26	2	.14
21	31	52	5.5	29	12	.94	25	3	.20
22	39	51	7.2	24	5	.32	306	254	211
23	254	480	393	21	3	.17	128	48	18
24	228	185	140	21	7	.40	70	9	1.7
25	118	68	26	19	8	.41	44	7	.83
26	27	22	1.6	16	5	.22	31	7	.59
27	19	15	.77	14	6	.23	26	13	.91
28	12	17	.55	155	106	48	22	27	1.6
29	9.1	20	.49	79	27	5.8	20	24	1.3
30	7.1	20	.38	47	7	.89	18	13	.63
31	5.5	18	.27	---	---	---	16	5	.22
TOTAL	753.94	---	575.96	1730.8	---	450.86	2715	---	726.68
		JANUARY			FEBRUARY			MARCH	
1	15	4	.16	42	14	1.6	83	30	6.7
2	14	3	.11	36	13	1.3	69	21	3.9
3	14	2	.08	36	17	1.7	59	19	3.0
4	14	2	.08	48	25	3.2	54	23	3.4
5	14	2	.08	40	18	1.9	95	95	24
6	14	3	.11	34	8	.73	119	119	39
7	14	2	.08	23	6	.37	76	23	4.7
8	14	3	.11	25	7	.47	60	8	1.3
9	15	3	.12	18	5	.24	38	19	2.0
10	14	3	.11	17	5	.23	33	23	1.9
11	14	3	.11	19	8	.41	35	15	1.4
12	13	5	.18	27	17	1.2	24	13	.84
13	13	4	.14	34	36	4.7	25	13	.88
14	13	3	.11	119	179	63	24	8	.52
15	12	4	.13	80	45	9.9	23	9	.56
16	12	4	.13	55	18	2.7	22	16	.95
17	11	5	.15	44	16	1.9	21	12	.68
18	10	7	.19	38	17	1.7	20	12	.65
19	8.0	7	.15	36	21	2.0	19	15	.77
20	7.0	7	.13	38	14	1.4	18	36	2.0
21	6.6	8	.14	33	7	.62	410	905	1040
22	6.2	6	.10	29	6	.47	172	128	61
23	6.0	6	.10	27	6	.44	116	50	16
24	172	139	96	24	9	.58	79	31	6.6
25	196	125	74	23	10	.62	66	28	5.0
26	101	58	16	20	10	.54	82	45	10
27	66	31	5.5	18	10	.49	76	32	6.6
28	51	18	2.5	178	512	350	167	176	139
29	43	13	1.5	154	138	63	262	305	234
30	38	11	1.1	---	---	---	119	63	20
31	43	13	1.5	---	---	---	80	30	6.5
TOTAL	983.8	---	200.90	1315	---	517.41	2546	---	1643.85

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03159555 EAST BRANCH SHADE RIVER NEAR TUPPERS PLAINS, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	60	20	3.2	26	20	1.4	26	22	1.5
2	47	15	1.9	22	20	1.2	19	28	1.4
3	53	36	6.8	26	35	2.8	15	27	1.1
4	414	531	572	45	80	11	12	22	.71
5	274	229	181	31	20	1.7	9.5	17	.44
6	126	65	22	32	23	2.0	7.9	14	.30
7	94	33	8.4	36	22	2.1	6.6	13	.23
8	67	22	4.0	36	32	3.6	5.7	19	.29
9	53	21	3.0	58	55	13	5.0	24	.32
10	43	20	2.3	39	16	1.7	4.3	19	.22
11	37	20	2.0	31	11	.92	3.7	17	.17
12	33	16	1.4	49	76	26	3.1	23	.19
13	31	12	1.0	41	27	3.0	2.8	23	.17
14	28	13	.98	31	15	1.3	2.3	27	.17
15	28	17	1.3	25	15	1.0	2.0	25	.14
16	29	14	1.1	20	17	.92	1.5	27	.11
17	29	22	1.7	18	18	.87	1.5	34	.14
18	48	26	3.4	15	19	.77	1.5	33	.13
19	57	24	3.7	14	20	.76	2.0	32	.17
20	42	17	1.9	12	20	.65	1.7	25	.11
21	35	10	.95	10	21	.57	1.7	16	.07
22	216	371	384	9.1	23	.57	1.4	17	.06
23	217	208	136	13	30	1.1	1.4	22	.08
24	158	66	28	12	39	1.3	1.5	30	.12
25	93	30	7.5	8.2	25	.55	3.4	40	.37
26	64	20	3.5	7.1	25	.48	2.1	19	.11
27	51	20	2.8	6.6	25	.45	1.5	28	.11
28	45	20	2.4	33	933	1350	1.2	20	.06
29	36	17	1.7	161	344	634	1.7	45	.26
30	32	20	1.7	76	57	13	1.3	46	.15
31	---	---	---	40	27	2.9	---	---	---
TOTAL	2540	---	1391.63	983.0	---	2081.61	150.3	---	9.40
		JULY			AUGUST			SEPTEMBER	
1	9.8	74	1.7	1.2	18	.06	.35	18	.02
2	5.7	38	.58	1.2	24	.10	.35	19	.02
3	3.0	30	.24	9.1	83	2.1	.30	23	.02
4	2.0	18	.10	34	260	53	.30	23	.02
5	1.8	12	.06	45	323	41	.26	22	.02
6	7.4	54	.85	15	63	2.6	.22	22	.01
7	4.1	19	.21	7.1	75	1.4	.19	22	.01
8	2.8	15	.11	7.6	66	1.4	.19	21	.01
9	1.9	13	.07	5.0	41	.55	.19	21	.01
10	1.4	12	.05	3.3	30	.27	.16	21	.00
11	2.4	33	.33	3.9	31	.33	.16	20	.00
12	4.8	64	.83	3.1	22	.12	.16	20	.00
13	2.2	42	.25	2.2	18	.11	.14	20	.00
14	1.4	33	.12	1.9	15	.08	.12	19	.00
15	1.1	25	.07	1.6	14	.06	.30	19	.02
16	.97	20	.05	1.4	16	.06	.26	19	.01
17	.84	16	.04	1.2	20	.06	.22	19	.01
18	.54	14	.02	1.0	18	.05	.19	19	.00
19	.54	12	.02	3.3	39	.28	.16	18	.00
20	.47	11	.01	2.0	20	.11	.16	18	.00
21	.47	10	.01	1.4	20	.08	.16	18	.00
22	.47	11	.01	1.2	20	.06	.14	18	.00
23	.40	11	.01	1.2	20	.06	.12	18	.00
24	.40	11	.01	1.1	19	.06	.12	17	.00
25	.40	10	.01	1.4	16	.06	.12	17	.00
26	.40	10	.01	1.2	18	.06	.12	17	.00
27	1.2	11	.04	1.0	21	.06	.06	17	.00
28	1.7	11	.06	.63	18	.03	.06	17	.00
29	9.1	137	3.3	.54	21	.03	.06	17	.00
30	2.8	24	.18	.30	25	.02	.06	16	.00
31	1.6	17	.07	.35	21	.02	---	---	---
TOTAL	74.00	---	9.41	160.42	---	104.34	5.40	---	0.18
YEAR	13957.66		7712.23						

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03202000 RACCOON CREEK AT ADAMSVILLE, OH

LOCATION.--Lat 38°52'25", long 82°21'22", in SE 1/4 sec. 26, T.6N., R.16W., Gallia County, Hydrologic Unit 05090101, on left bank at downstream side of U.S. Highway 35 bridge at Adamsville, 1.3 mi upstream from Ryan Run, and 1.4 mi downstream from Indian Creek.

DRAINAGE AREA.--585 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1915 to December 1935, October 1938 to current year. Monthly discharge only for December 1935, published in WSP 1305.

REVISED RECORDS.--WSP 873: 1916-18, 1920, 1922, 1924, 1926-27, 1931, 1933, 1935(M). WSP 1908: Drainage area. WSP 2108: 1968-70(M).

GAGE.--Water-stage recorder. Datum of gage is 570.04 ft National Geodetic Vertical Datum of 1929. Prior to June 13, 1940, nonrecording gage, June 13, 1940 to Oct. 27, 1970 water-stage recorder 480 ft upstream at same datum.

REMARKS.--Records fair. Sediment data collected at this site 1969 to 1974.

AVERAGE DISCHARGE.--66 years, 647 ft³/s, 15.02 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft³/s May 28, 1968, gage height 28.69 ft, from rating curve extended above 13,000 ft³/s on basis of slope-conveyance estimate of peak flow; minimum, 1.1 ft³/s Oct. 17-19, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 25.2 ft, from floodmark, discharge, 16,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 7	1300	*3670	*14.92	No other peaks above base.			

Minimum daily discharge, 5.1 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	121	982	280	810	1090	2510	650	1140	99	59	15
2	6.5	106	653	260	725	971	2250	572	868	123	59	12
3	5.1	107	498	230	653	855	1290	556	463	130	68	10
4	6.5	121	794	210	670	795	2320	989	336	118	59	9.0
5	8.3	130	1220	190	773	900	3180	1260	270	115	75	8.6
6	11	133	1650	170	706	1250	3540	1210	220	184	192	7.4
7	11	134	1450	160	664	1550	3650	1020	184	400	194	6.8
8	9.7	121	1180	150	538	1510	3520	978	160	294	115	6.2
9	12	109	1100	138	506	1200	2730	1010	141	213	99	6.0
10	18	419	1120	120	442	895	1400	934	127	141	93	6.0
11	21	1190	1070	110	414	747	1020	835	202	105	105	6.0
12	22	1340	1250	110	440	658	859	731	220	90	88	5.8
13	24	1200	1250	100	520	613	758	677	113	90	87	5.4
14	28	785	1170	94	828	558	685	683	100	86	72	5.2
15	31	638	1000	94	1360	538	630	609	90	73	66	7.8
16	36	743	869	92	1580	536	505	516	84	59	64	11
17	39	899	779	90	1450	534	566	446	81	56	62	15
18	40	1070	663	90	1040	552	554	383	74	75	57	11
19	43	976	554	88	812	522	574	340	70	59	46	8.8
20	50	726	473	88	738	490	613	303	70	53	39	6.4
21	70	594	418	86	679	1190	620	270	71	59	30	5.2
22	119	526	959	86	601	2150	1460	240	70	56	28	5.4
23	680	468	1100	84	526	2550	2350	237	68	54	20	5.8
24	1040	412	940	309	475	2660	2480	252	65	54	15	6.0
25	1210	365	700	905	444	2370	2370	349	64	52	13	5.8
26	1170	329	640	1270	408	1800	2070	440	62	51	11	5.4
27	724	294	520	1480	375	1260	1530	290	61	52	12	5.6
28	383	583	450	1290	607	1550	1040	326	58	53	13	5.8
29	246	916	380	1020	1010	2450	873	904	55	56	14	6.3
30	179	1100	320	882	---	2730	762	952	56	53	16	6.9
31	144	---	300	841	---	2900	---	1140	---	62	17	---
TOTAL	6392.2	16655	26532	11182	20890	40374	49089	20030	5644	3205	1880	227.6
MEAN	206	555	856	361	720	1302	1636	646	188	103	60.6	7.59
MAX	1210	1340	1650	1480	1580	2900	3650	1260	1140	400	194	15
MIN	5.1	106	300	84	375	490	554	237	55	51	11	5.2
CFSM	.35	.95	1.46	.62	1.23	2.23	2.80	1.10	.32	.18	.10	.01
IN.	.41	1.06	1.69	.71	1.33	2.57	3.12	1.27	.36	.20	.12	.01

CAL YR 1983 TOTAL 214165.5 MEAN 587 MAX 5070 MIN 4.0 CFSM 1.00 IN 13.62
WTR YR 1984 TOTAL 202100.8 MEAN 552 MAX 3650 MIN 5.1 CFSM .94 IN 12.85

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03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951-54, 1964 to September 1984 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1967 to September 1984 (discontinued).
pH: May 1967 to September 1984 (discontinued).
WATER TEMPERATURES: October 1951 to September 1954, October 1964 to September 1984 (discontinued).
DISSOLVED OXYGEN: May 1967 to September 1984 (discontinued).

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,930 micromhos Nov. 20, 1964; minimum, 81 micromhos July 9, 1980.
pH: Maximum, 8.8 units Feb. 16, 1972; minimum, 2.0 units May 6, 1972.
WATER TEMPERATURES: Maximum, 29.0°C June 16, 1952; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 15.7 mg/L Mar. 4, 1980; minimum recorded, 2.5 mg/L May 6, 1972.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1050 micromhos Sept. 15; minimum, 117 micromhos June 11.
pH: Maximum, 7.2 units Feb. 28; minimum, 4.3 units Oct. 26.
WATER TEMPERATURES: Maximum, 27.5°C June 19, Aug. 9; minimum, 0.0°C on many days during the winter period.
DISSOLVED OXYGEN: Maximum, 14.0 mg/L Feb. 9, 10, 11, 12; minimum, 4.4 mg/L Oct. 20.

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	834	723	756	525	498	511	345	294	318	369	351	358
2	825	729	757	567	519	543	315	297	306	375	363	369
3	783	735	750	561	303	538	315	300	312	360	357	358
4	825	750	789	522	501	510	309	258	275	360	345	357
5	906	807	850	576	300	520	309	264	290	354	339	348
6	822	720	766	576	558	565	294	249	267	357	345	350
7	723	705	713	618	564	597	261	255	258	351	345	348
8	744	708	724	621	591	602	267	261	264	360	342	354
9	777	738	762	636	600	626	282	264	271	363	351	355
10	774	729	751	627	285	486	267	255	260	351	345	348
11	741	678	709	441	243	319	282	270	276	381	354	367
12	810	735	765	450	378	413	270	298	285	393	378	385
13	801	732	781	447	300	372	285	264	275	408	378	394
14	762	684	722	378	348	362	282	276	278	417	396	404
15	699	678	689	399	300	363	279	276	279	420	405	411
16	759	678	709	324	300	311	291	279	286	420	405	410
17	744	657	691	342	300	331	309	294	298	411	402	407
18	729	666	708	378	336	362	315	300	307	405	393	400
19	735	636	688	369	348	357	324	300	317	405	393	400
20	738	645	691	363	336	348	333	324	327	420	402	413
21	600	468	502	342	330	336	336	300	331	432	411	421
22	591	543	574	357	330	345	327	210	250	456	429	444
23	501	348	418	366	357	362	285	210	257	471	456	465
24	714	465	502	369	363	367	297	264	282	465	435	450
25	603	498	545	375	366	370	309	285	293	---	---	---
26	486	408	439	384	369	377	318	297	305	---	---	---
27	420	387	404	387	378	382	345	300	324	---	---	---
28	456	420	440	375	285	318	345	297	323	---	---	---
29	450	432	437	366	282	327	315	297	307	---	---	---
30	462	432	448	348	300	326	348	303	331	---	---	---
31	498	462	484	---	---	---	363	342	354	---	---	---
MONTH	906	348	647	636	243	418	363	210	293	471	339	389

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	303	279	290	216	192	203	285	267	277
2	---	---	---	294	279	287	231	210	220	288	279	283
3	---	---	---	291	279	285	243	201	234	288	279	294
4	---	---	---	288	276	285	207	189	200	306	273	283
5	---	---	---	288	267	282	195	183	188	303	267	287
6	---	---	---	297	261	280	186	183	185	279	255	268
7	---	---	---	294	270	284	201	183	192	276	255	268
8	---	---	---	276	261	270	213	192	202	270	258	265
9	342	327	334	270	261	266	222	204	216	270	252	260
10	327	300	316	276	264	271	255	222	240	291	267	281
11	333	300	326	285	270	278	267	246	256	291	282	288
12	345	303	336	297	276	289	276	255	266	297	285	292
13	339	330	335	300	291	296	282	270	277	300	279	293
14	324	300	313	309	294	302	291	276	284	300	291	295
15	339	300	319	330	300	316	297	285	290	309	288	297
16	297	237	266	324	300	318	303	291	296	327	291	307
17	255	237	246	327	300	320	303	294	300	324	300	313
18	273	258	266	336	300	323	309	300	306	330	300	319
19	276	267	270	339	330	335	321	300	313	333	312	325
20	279	270	274	339	300	329	327	303	321	336	300	326
21	297	276	287	315	243	264	321	312	320	342	324	334
22	306	285	295	264	222	245	318	174	245	354	342	347
23	306	294	298	219	204	213	252	174	222	348	345	346
24	318	294	306	222	198	210	237	216	224	354	333	344
25	312	300	306	234	222	228	231	207	221	375	348	360
26	321	300	313	246	228	236	243	219	233	402	360	377
27	318	312	314	261	246	253	252	231	241	396	381	387
28	312	243	282	258	210	244	258	240	249	408	210	363
29	294	234	264	222	198	213	270	249	260	291	210	244
30	---	---	---	213	195	205	276	267	271	390	267	312
31	---	---	---	195	186	192	---	---	---	315	219	278
MONTH	345	234	298	339	186	271	327	174	249	408	210	307

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	240	219	230	549	495	517	561	549	552	651	600	637
2	273	240	257	525	444	491	549	531	539	717	603	642
3	297	273	286	540	447	495	531	513	521	690	600	637
4	315	285	298	513	465	482	516	498	507	648	600	620
5	333	300	320	474	417	454	579	516	529	636	612	621
6	345	300	334	471	411	431	732	510	627	633	597	611
7	357	342	350	558	453	503	648	600	629	615	582	592
8	375	357	364	453	375	408	639	588	623	621	567	596
9	381	363	373	438	420	432	585	540	570	693	600	626
10	390	375	383	432	423	427	537	435	491	705	603	648
11	396	117	346	474	423	450	516	432	477	765	627	708
12	357	287	323	486	474	481	516	486	503	840	666	739
13	372	340	359	480	471	475	552	492	524	735	654	696
14	390	351	375	522	477	499	573	552	563	723	642	664
15	408	387	397	549	522	538	633	573	598	1050	585	784
16	420	402	411	543	528	539	657	633	645	687	573	603
17	438	414	425	540	519	530	648	600	623	612	573	589
18	447	432	438	555	531	543	597	555	572	600	552	574
19	447	435	441	600	555	580	552	534	539	612	561	591
20	447	438	441	570	552	560	552	534	543	699	558	605
21	453	435	443	570	555	561	555	537	547	816	639	734
22	468	450	459	570	558	563	579	549	563	825	651	769
23	462	456	459	576	558	564	570	552	561	768	678	741
24	468	456	460	567	555	560	576	546	557	846	735	799
25	480	459	468	573	558	566	594	543	557	867	840	852
26	516	477	497	570	552	562	603	555	576	867	606	707
27	516	507	513	555	531	541	630	573	583	651	573	615
28	528	510	518	564	543	549	627	597	609	618	585	598
29	522	507	513	549	537	546	672	624	646	642	588	617
30	525	507	513	555	534	540	663	642	650	657	564	604
31	---	---	---	576	555	562	651	630	642	---	---	---
MONTH	528	117	400	600	375	514	732	432	570	1050	552	657
YEAR	1050	117	422									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.5	6.6	5.2	5.1	5.2	6.1	5.8	5.9	5.5	4.4	4.9
2	6.7	6.5	6.6	5.2	5.0	5.1	6.4	5.9	6.2	5.5	5.1	5.3
3	6.7	6.5	6.6	5.1	4.8	5.0	6.5	6.3	6.4	5.5	5.2	5.4
4	6.5	6.4	6.4	5.5	5.2	5.4	7.0	6.5	6.8	5.7	5.4	5.4
5	6.4	6.3	6.4	5.4	5.2	5.3	6.7	5.7	6.1	5.8	5.6	5.6
6	6.7	6.3	6.5	5.3	5.2	5.2	6.7	6.1	6.5	5.6	5.6	5.6
7	6.7	6.4	6.5	5.2	5.1	5.2	6.6	6.2	6.4	5.7	5.6	5.6
8	6.7	6.5	6.6	5.1	4.9	5.1	6.6	6.3	6.4	5.6	5.5	5.6
9	6.6	6.4	6.5	5.1	4.9	5.0	6.6	6.4	6.5	5.7	5.5	5.6
10	6.7	6.4	6.6	6.5	4.8	5.6	6.8	6.5	6.7	5.8	5.6	5.7
11	6.6	6.5	6.6	6.6	5.2	6.2	6.8	6.3	6.4	5.6	5.3	5.4
12	6.5	6.3	6.5	5.5	4.9	5.2	6.8	6.5	6.7	---	---	---
13	6.6	6.3	6.4	6.1	5.6	5.8	6.5	6.2	6.3	---	---	---
14	6.7	6.3	6.6	5.8	5.6	5.7	6.6	6.3	6.5	---	---	---
15	6.7	6.6	6.6	6.7	5.6	6.0	6.5	6.4	6.4	---	---	---
16	6.8	6.6	6.7	6.5	6.2	6.4	6.4	6.3	6.4	---	---	---
17	6.8	6.6	6.7	6.2	5.9	6.0	6.8	6.4	6.5	---	---	---
18	6.6	6.5	6.6	6.1	6.0	6.0	---	---	---	---	---	---
19	6.7	6.5	6.6	6.1	5.8	6.0	---	---	---	---	---	---
20	6.7	6.5	6.6	6.1	5.8	5.9	---	---	---	---	---	---
21	7.0	6.7	6.8	6.4	6.1	6.3	---	---	---	---	---	---
22	6.6	5.4	6.1	6.5	5.8	6.3	6.5	6.3	6.4	---	---	---
23	5.7	4.6	5.2	5.8	5.7	5.7	6.3	5.6	5.9	---	---	---
24	---	---	---	5.8	5.7	5.8	6.3	5.7	6.0	---	---	---
25	---	---	---	6.0	5.8	5.9	6.3	5.9	6.2	---	---	---
26	5.0	4.3	4.6	6.0	5.9	5.9	6.0	5.0	5.7	---	---	---
27	5.2	5.0	5.2	6.2	5.9	6.0	5.3	4.9	5.2	---	---	---
28	5.2	5.1	5.2	6.9	6.3	6.8	5.7	5.0	5.3	---	---	---
29	5.3	5.2	5.2	6.7	5.4	6.0	5.6	5.2	5.4	---	---	---
30	5.3	5.2	5.2	6.3	5.6	6.1	5.2	4.8	5.1	---	---	---
31	5.2	5.1	5.2	---	---	---	5.3	4.5	5.1	---	---	---
MONTH	7.0	4.3	6.2	6.9	4.8	5.7	7.0	4.5	6.1	5.8	4.4	5.5

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	6.6	6.4	6.5	6.3	6.9	6.2	6.5	6.4	6.5
2	---	---	---	6.6	6.6	6.6	6.4	6.2	6.3	6.4	6.3	6.4
3	---	---	---	6.6	6.5	6.5	6.9	6.3	6.4	6.6	6.4	6.5
4	---	---	---	6.6	6.4	6.5	6.9	6.5	6.7	6.6	5.7	6.4
5	---	---	---	6.7	6.5	6.6	6.5	6.3	6.3	6.5	5.7	6.1
6	---	---	---	6.6	6.0	6.3	6.4	6.3	6.3	6.5	6.2	6.4
7	---	---	---	6.4	6.2	6.3	6.3	6.2	6.2	6.5	6.3	6.5
8	---	---	---	6.3	6.2	6.3	6.3	6.2	6.2	6.6	6.3	6.5
9	6.5	5.8	6.1	6.4	6.3	6.3	6.3	6.1	6.3	6.6	6.4	6.5
10	6.6	6.4	6.5	6.4	6.0	6.2	6.1	5.9	6.0	6.5	6.2	6.4
11	6.9	6.3	6.6	6.4	6.2	6.3	5.9	5.8	5.8	6.6	6.4	6.5
12	7.0	6.0	6.5	6.4	6.1	6.3	5.9	5.7	5.8	6.7	6.5	6.6
13	6.7	6.4	6.5	6.4	6.3	6.3	6.0	5.8	5.9	6.6	6.4	6.5
14	7.1	6.7	6.9	6.4	6.3	6.4	6.0	5.8	5.9	6.5	6.3	6.4
15	6.8	6.1	6.4	6.3	6.0	6.2	6.0	5.8	5.9	6.5	6.3	6.4
16	6.6	6.3	6.4	6.4	6.3	6.4	5.9	5.8	5.9	6.5	6.2	6.4
17	6.7	6.6	6.7	6.4	6.3	6.4	5.9	5.9	5.9	6.5	6.3	6.4
18	6.9	6.7	6.8	6.3	6.3	6.3	5.9	5.8	5.8	6.6	6.4	6.5
19	6.9	6.8	6.9	6.3	6.3	6.3	5.8	5.7	5.8	6.6	6.4	6.5
20	6.9	6.8	6.9	6.3	6.0	6.2	5.8	5.7	5.7	6.6	6.5	6.6
21	6.8	6.6	6.7	6.9	6.3	6.7	6.0	5.8	5.9	6.6	6.5	6.6
22	6.7	6.5	6.7	6.3	5.7	6.0	6.8	6.0	6.5	6.6	6.5	6.6
23	6.7	6.6	6.7	6.2	6.0	6.1	6.8	6.0	6.4	6.7	6.5	6.6
24	6.7	6.5	6.7	6.1	6.0	6.1	6.4	6.2	6.3	6.7	6.5	6.6
25	6.8	6.7	6.8	6.2	6.0	6.1	6.5	6.2	6.3	6.6	6.4	6.5
26	6.8	6.7	6.7	6.4	6.2	6.3	6.6	6.4	6.5	6.5	6.3	6.4
27	6.7	6.7	6.7	6.3	6.2	6.3	6.7	6.6	6.6	6.5	6.3	6.4
28	7.2	6.8	7.0	6.7	5.9	6.4	6.7	6.6	6.6	7.0	6.4	6.6
29	7.1	6.4	6.7	6.6	5.9	6.3	6.6	6.5	6.6	6.8	6.5	6.7
30	---	---	---	6.2	5.9	6.1	6.7	6.5	6.6	6.5	6.0	6.3
31	---	---	---	6.2	6.1	6.2	---	---	---	6.5	6.3	6.4
MONTH	7.2	5.8	6.7	6.9	5.7	6.3	6.9	5.7	6.2	7.0	5.7	6.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.5	6.3	6.4	6.7	6.5	6.6	6.8	6.6	6.7	6.4	6.0	6.2
2	6.6	6.3	6.5	6.9	6.5	6.7	6.8	6.6	6.7	6.6	6.2	6.3
3	6.7	6.5	6.6	6.7	6.6	6.6	6.9	6.6	6.8	6.5	6.3	6.4
4	6.6	6.5	6.6	5.5	6.3	6.4	6.9	6.7	6.8	6.4	6.2	6.3
5	6.8	6.4	6.6	6.7	6.2	6.4	6.9	6.6	6.7	6.2	6.1	6.2
6	6.7	6.6	6.6	6.7	6.0	6.5	6.6	5.3	5.9	6.4	6.2	6.3
7	6.7	6.5	6.6	6.4	5.9	6.2	5.3	5.1	5.2	6.5	6.3	6.4
8	6.6	6.5	6.6	6.4	5.8	6.0	5.5	5.1	5.3	6.9	6.5	6.7
9	6.7	6.5	6.6	6.5	6.3	6.4	5.6	5.5	5.5	6.7	6.5	6.6
10	6.7	6.6	6.6	6.7	6.4	6.5	6.5	5.6	5.7	6.6	6.4	6.6
11	6.9	6.6	6.7	6.7	6.5	6.6	6.6	6.3	6.4	6.6	6.4	6.5
12	6.8	6.6	6.7	6.8	6.5	6.6	6.6	6.1	6.5	6.6	6.4	6.5
13	6.8	6.6	6.7	6.8	6.5	6.7	6.0	5.8	5.8	6.6	6.3	6.5
14	6.8	6.7	6.7	6.7	6.5	6.6	5.8	5.6	5.7	6.6	6.4	6.5
15	6.8	6.6	6.7	6.6	6.4	6.5	5.7	5.4	5.6	6.8	6.4	6.5
16	6.8	6.5	6.6	6.7	6.4	6.5	5.4	5.1	5.2	6.9	6.4	6.6
17	6.8	6.6	6.7	6.6	6.4	6.5	5.5	5.2	5.3	6.9	6.7	6.8
18	6.8	6.6	6.7	6.5	6.1	6.2	5.9	5.4	5.6	6.8	6.6	6.7
19	6.8	6.6	6.7	6.1	5.8	5.9	6.3	5.8	6.0	6.8	6.5	6.7
20	6.7	6.6	6.7	6.4	6.1	6.3	6.2	6.1	6.1	6.8	6.5	6.7
21	6.8	6.5	6.7	6.6	6.4	6.5	6.6	6.1	6.2	6.8	6.5	6.7
22	6.8	6.5	6.7	6.7	6.4	6.5	6.5	6.1	6.3	6.8	6.6	6.7
23	6.8	6.6	6.7	6.7	6.4	6.6	6.2	6.0	6.1	6.7	6.6	6.7
24	6.9	6.6	6.7	6.7	6.4	6.6	6.3	6.0	6.1	6.6	6.5	6.5
25	6.9	6.6	6.7	6.6	6.4	6.5	6.5	6.2	6.3	6.8	6.5	6.6
26	6.8	6.5	6.6	6.6	6.4	6.5	6.5	6.2	6.3	6.8	6.6	6.7
27	6.6	6.4	6.5	6.8	6.5	6.6	6.5	6.2	6.4	6.6	6.4	6.5
28	6.8	6.5	6.6	6.8	6.5	6.6	6.4	6.3	6.4	6.5	6.4	6.5
29	6.7	6.5	6.6	6.8	6.5	6.6	6.4	6.3	6.3	6.5	6.4	6.4
30	6.7	6.5	6.6	6.8	6.5	6.6	6.4	6.2	6.3	6.5	6.4	6.5
31	---	---	---	6.8	6.5	6.6	6.4	6.2	6.3	---	---	---
MONTH	6.9	6.3	6.6	6.9	5.8	6.5	6.9	5.1	6.1	6.9	6.0	6.5
YEAR	7.2	4.3	6.3									

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.0	15.0	15.5	11.5	10.0	11.0	5.5	5.0	5.0	.5	.0	.5
2	16.0	15.0	15.5	12.0	10.5	11.5	4.5	4.0	4.5	.5	.0	.5
3	16.0	15.0	15.5	12.5	12.0	12.5	4.0	4.0	4.0	.5	.0	.5
4	16.5	16.0	16.0	12.0	10.5	11.0	5.5	4.5	5.0	.5	.0	.5
5	17.0	16.0	16.5	10.5	9.5	10.0	5.5	5.0	5.5	.5	.0	.0
6	16.5	16.0	16.5	10.0	9.0	9.5	6.5	5.5	6.0	.5	.0	.0
7	16.0	14.5	15.0	9.0	8.5	9.0	6.0	5.0	5.5	.5	.0	.0
8	15.0	13.5	14.0	9.0	7.5	8.5	5.0	5.0	5.0	.5	.0	.5
9	14.5	13.5	14.0	9.0	7.5	8.5	5.0	4.5	4.5	.5	.0	.5
10	14.5	14.0	14.0	11.0	9.0	9.5	5.0	4.5	5.0	.5	.0	.5
11	14.5	14.5	14.5	10.5	9.0	9.5	5.5	5.0	5.0	.5	.0	.5
12	15.5	14.5	15.0	9.0	8.0	8.5	6.5	5.5	6.0	1.0	.5	.5
13	16.0	15.0	15.5	8.0	7.0	7.0	7.0	6.5	7.0	1.0	.5	.5
14	15.0	13.5	14.0	7.0	6.0	6.5	7.5	7.0	7.0	1.0	.5	1.0
15	13.5	12.5	13.0	7.0	6.5	6.5	7.0	7.0	7.0	1.0	1.0	1.0
16	13.0	12.0	12.5	7.0	7.0	7.0	7.0	5.5	6.0	1.0	.5	1.0
17	13.0	12.5	13.0	7.0	6.0	7.0	5.5	4.5	5.0	1.0	1.0	1.0
18	13.5	13.0	13.5	6.5	6.0	6.5	4.0	3.0	3.5	1.0	.5	1.0
19	14.0	13.5	13.5	7.5	6.5	7.0	3.0	2.0	2.5	1.0	.5	.5
20	14.0	13.5	13.5	8.5	7.5	8.0	2.0	1.5	1.5	.5	.0	.5
21	13.5	13.0	13.5	8.5	8.0	8.0	1.5	1.0	1.5	.5	.5	.5
22	13.0	12.5	12.5	8.5	7.5	8.0	3.0	1.5	2.5	1.0	.5	.5
23	13.0	12.5	12.5	8.5	8.0	8.0	2.0	.5	1.0	1.0	.5	.5
24	13.0	13.0	13.0	8.5	8.0	8.5	.5	.0	.0	1.0	.5	.5
25	13.0	12.5	13.0	8.0	7.0	7.5	.5	.0	.0	---	---	---
26	12.5	12.0	12.5	7.5	6.5	7.0	.5	.0	.0	---	---	---
27	12.0	11.5	11.5	6.5	6.0	6.5	.5	.0	.5	---	---	---
28	11.5	10.5	11.0	8.0	6.5	7.5	.5	.0	.5	---	---	---
29	12.0	11.5	11.5	7.5	6.5	7.0	.5	.0	.5	---	---	---
30	11.0	10.5	11.0	6.5	5.5	6.0	.5	.0	.5	---	---	---
31	11.0	10.0	10.5	---	---	---	.5	.0	.5	---	---	---
MONTH	17.0	10.0	13.5	12.5	5.5	8.5	7.5	.0	3.5	1.0	.0	.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	4.0	1.5	2.5	7.0	6.0	6.5	16.5	15.5	16.0
2	---	---	---	4.5	1.5	3.0	8.0	6.5	7.0	16.0	14.5	15.0
3	---	---	---	4.0	2.0	3.0	8.0	7.5	8.0	14.5	14.0	14.5
4	---	---	---	3.5	2.0	2.5	7.5	7.5	7.5	14.0	13.0	13.5
5	---	---	---	6.5	3.5	5.0	7.5	7.0	7.5	13.0	12.5	13.0
6	---	---	---	4.0	2.5	3.0	7.0	6.5	7.0	13.5	13.0	13.0
7	---	---	---	3.0	2.0	2.5	8.0	6.5	7.0	14.5	13.0	13.5
8	---	---	---	2.5	2.0	2.5	8.5	7.5	8.0	14.5	13.5	14.0
9	.5	.0	.5	2.0	1.5	2.0	8.5	8.0	8.5	13.5	12.0	12.5
10	.5	.0	.5	2.0	1.0	1.5	10.0	8.5	9.0	13.0	11.5	12.5
11	2.0	.5	1.0	2.5	1.5	2.0	10.5	9.0	10.0	14.5	12.5	13.5
12	3.0	1.5	2.5	2.5	1.5	2.0	11.0	9.5	10.5	16.0	14.0	15.0
13	3.5	3.0	3.5	3.0	2.0	2.5	13.0	10.5	11.5	15.5	15.0	15.0
14	5.0	3.5	4.5	4.0	3.0	3.5	13.0	11.5	12.5	15.0	14.0	14.5
15	4.5	4.0	4.5	5.0	3.5	4.0	13.0	12.0	12.5	15.0	13.5	14.0
16	4.5	4.0	4.0	6.0	5.0	5.5	12.5	11.5	12.0	14.5	13.0	14.0
17	5.0	4.0	4.5	6.0	5.0	5.5	12.0	10.5	11.0	14.5	13.0	14.0
18	7.0	5.0	6.0	6.0	5.5	6.0	10.5	9.0	9.5	15.0	13.5	14.0
19	8.0	7.0	7.5	7.0	5.5	6.5	9.5	9.0	9.0	16.5	14.0	15.5
20	7.5	6.0	7.0	7.5	6.5	7.0	10.5	9.0	9.5	17.5	16.0	17.0
21	6.0	5.0	5.5	7.5	7.0	7.0	10.5	10.0	10.0	18.5	17.5	18.0
22	6.0	4.5	5.5	6.5	5.5	6.0	10.0	9.0	9.5	19.5	18.5	19.0
23	7.5	5.0	5.5	5.5	5.0	5.5	10.0	9.0	9.5	20.5	19.0	19.5
24	7.0	4.5	5.5	5.5	5.0	5.5	9.5	9.0	9.5	20.5	18.5	19.5
25	7.5	6.0	7.0	6.0	5.5	5.5	10.0	8.5	9.5	20.0	19.0	19.5
26	8.0	6.0	7.0	7.0	6.0	6.5	12.0	10.0	11.0	20.0	19.5	19.5
27	6.5	4.0	5.0	7.5	7.0	7.0	14.5	12.0	13.0	20.5	19.0	19.5
28	4.0	2.5	3.5	7.5	7.5	7.5	15.5	14.0	14.5	20.0	19.0	20.0
29	3.0	2.0	2.5	7.5	6.5	7.0	16.0	14.5	15.5	19.0	16.5	17.5
30	---	---	---	6.0	5.5	6.0	17.5	16.0	16.5	16.0	15.0	15.5
31	---	---	---	6.0	5.0	5.5	---	---	---	15.5	14.5	15.0
MONTH	8.0	.0	4.5	7.5	1.0	4.5	17.5	6.0	10.0	20.5	11.5	15.5

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.5	13.5	14.0	21.5	20.5	21.0	25.0	23.0	24.0	23.0	21.5	22.0
2	15.5	13.5	14.5	23.0	20.5	21.5	26.0	24.0	25.0	23.5	21.0	22.0
3	17.5	15.0	16.5	23.5	21.0	22.0	26.5	24.5	25.5	23.5	23.0	23.5
4	18.5	16.5	17.5	23.0	22.0	22.5	26.5	25.0	25.5	23.0	21.5	22.0
5	20.0	17.5	19.0	22.5	22.0	22.0	26.5	24.5	25.5	21.0	19.0	20.0
6	21.0	19.5	20.0	23.0	21.5	22.5	26.0	25.0	25.5	19.0	17.5	18.0
7	22.5	20.0	21.5	23.0	21.5	22.5	26.5	25.0	25.5	18.0	17.0	17.5
8	23.5	21.5	22.5	22.0	20.5	21.0	26.0	25.0	25.5	18.5	17.0	17.5
9	24.5	22.0	23.0	22.0	20.5	21.0	27.5	25.0	26.0	19.5	18.0	18.5
10	25.5	21.5	24.0	23.5	21.5	22.5	26.5	25.0	26.0	20.0	19.0	19.5
11	25.0	20.0	23.5	25.0	23.0	24.0	25.5	24.5	25.0	20.5	19.5	20.0
12	25.0	21.0	23.5	25.5	23.0	24.5	25.5	24.0	24.5	21.5	20.5	21.0
13	26.0	23.5	25.0	26.0	23.0	24.5	26.0	24.0	25.0	21.5	20.5	21.0
14	26.5	24.5	25.5	26.0	23.5	25.0	26.0	24.0	25.0	22.0	21.5	21.5
15	26.5	24.5	25.5	26.0	24.5	25.0	26.5	24.0	25.5	22.0	20.5	21.5
16	25.0	23.5	24.5	27.0	24.5	25.5	26.5	24.0	25.0	20.0	18.5	19.0
17	26.0	23.5	24.5	26.0	23.5	25.0	26.0	23.5	25.0	18.5	16.5	17.5
18	27.0	24.5	25.5	26.0	24.0	25.0	25.5	24.0	25.0	17.5	16.5	17.0
19	27.5	24.5	26.0	25.0	22.0	23.5	25.5	23.5	24.5	17.5	16.5	17.0
20	26.5	25.0	25.5	24.5	22.0	23.5	25.5	23.0	24.0	17.5	16.5	17.0
21	26.0	24.0	25.0	24.5	22.5	23.5	24.5	22.0	23.5	18.5	17.5	18.0
22	25.5	23.5	24.5	24.5	22.5	23.5	24.5	23.0	24.0	19.5	18.5	19.0
23	25.0	24.0	24.5	26.0	23.0	24.5	24.5	24.0	24.0	20.0	19.5	20.0
24	25.5	23.5	24.5	26.0	24.0	25.0	23.5	22.5	23.0	20.0	20.0	20.0
25	24.5	22.0	23.5	25.5	23.5	24.5	22.5	21.0	22.0	21.0	20.0	20.0
26	24.5	21.0	23.0	24.0	22.5	23.0	22.5	20.5	21.5	20.5	19.0	20.0
27	23.5	21.5	22.5	23.5	22.5	23.0	23.0	21.0	22.0	19.0	17.0	18.0
28	24.0	21.5	23.0	23.0	21.5	22.5	24.0	22.0	23.0	17.0	15.0	16.0
29	23.5	22.0	23.0	23.0	21.0	22.0	25.0	23.0	24.0	15.0	14.0	14.5
30	23.0	21.0	21.5	23.0	21.0	22.0	25.0	23.5	24.0	14.0	13.5	13.5
31	---	---	---	24.5	21.5	23.0	24.0	22.5	23.5	---	---	---
MONTH	27.5	13.5	22.5	27.0	20.5	23.0	27.5	20.5	24.5	23.5	13.5	19.0
YEAR	27.5	.0	13.0									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.6	6.9	7.4	9.5	9.2	9.3	11.2	10.8	11.0	10.3	9.8	10.2
2	7.4	6.8	7.2	9.2	9.0	9.1	11.3	11.1	11.1	10.3	9.9	10.1
3	7.8	6.8	7.3	9.0	8.7	8.8	11.1	11.1	11.1	10.3	9.8	10.2
4	7.3	6.6	6.9	8.9	8.5	8.7	11.1	10.6	10.8	12.3	9.9	11.3
5	6.6	5.9	6.3	9.2	8.8	9.1	10.7	10.4	10.6	12.1	11.8	12.0
6	7.4	5.5	6.6	9.3	9.2	9.3	10.4	10.1	10.3	12.1	12.0	12.0
7	7.1	6.2	6.7	9.5	9.3	9.4	10.6	10.1	10.4	12.2	11.8	12.1
8	7.0	6.3	6.6	9.7	9.5	9.6	10.8	10.6	10.7	12.3	12.1	12.2
9	7.0	5.7	6.4	9.7	8.0	9.5	11.0	10.8	10.9	12.3	12.2	12.3
10	7.3	5.8	6.8	9.5	8.6	9.1	11.1	10.7	11.0	12.3	11.9	12.2
11	7.1	6.1	6.7	9.2	8.9	9.0	11.0	10.8	11.0	12.2	12.0	12.1
12	6.4	5.3	5.8	9.4	9.2	9.3	10.8	10.4	10.6	12.2	11.9	12.1
13	5.9	4.7	5.4	9.9	9.4	9.7	10.4	10.1	10.3	12.0	11.6	11.8
14	6.4	4.5	5.7	10.3	9.9	10.1	10.2	9.9	10.1	11.6	11.2	11.4
15	5.9	5.5	5.7	10.3	10.0	10.2	10.3	10.0	10.2	11.9	11.0	11.3
16	6.2	5.5	6.0	11.2	9.8	10.3	10.6	10.3	10.5	11.9	11.8	11.8
17	6.5	5.2	6.0	10.7	10.4	10.6	11.0	10.6	10.8	12.0	11.7	11.9
18	5.9	4.7	5.2	10.6	10.5	10.5	11.3	11.0	11.2	12.0	11.6	12.0
19	6.7	4.6	5.4	10.5	10.4	10.5	11.5	11.3	11.4	12.0	11.8	11.9
20	7.0	4.4	5.8	10.4	10.0	10.2	11.7	11.5	11.6	11.9	11.7	11.8
21	7.8	6.4	7.2	10.1	10.0	10.1	11.7	11.6	11.6	11.7	11.1	11.5
22	8.7	7.9	8.4	10.6	9.8	10.3	11.9	11.1	11.5	11.6	11.2	11.4
23	8.5	8.1	8.4	10.5	10.2	10.3	12.0	11.8	11.8	11.5	11.0	11.3
24	8.6	8.4	8.5	10.2	10.0	10.1	12.1	11.9	12.0	11.1	11.0	11.1
25	8.5	8.3	8.4	10.3	10.0	10.2	12.0	11.8	11.9	---	---	---
26	8.6	8.5	8.5	10.6	10.2	10.4	11.8	11.5	11.6	---	---	---
27	9.2	8.5	8.9	10.7	10.6	10.7	11.5	11.1	11.3	---	---	---
28	9.4	9.2	9.3	10.5	10.2	10.3	11.0	10.7	10.8	---	---	---
29	9.3	9.1	9.2	10.6	10.3	10.5	10.7	10.6	10.6	---	---	---
30	9.3	9.2	9.3	10.8	10.6	10.7	10.7	10.2	10.5	---	---	---
31	9.6	9.2	9.4	---	---	---	10.5	10.0	10.4	---	---	---
MONTH	9.6	4.4	7.1	11.2	8.0	9.9	12.1	9.9	11.0	12.3	9.8	11.6

BEST COPY AVAILABLE

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	11.2	11.0	11.1	11.3	10.6	11.0	9.2	8.9	9.0
2	---	---	---	11.1	10.1	10.5	10.6	10.0	10.3	9.5	8.9	9.2
3	---	---	---	---	---	---	10.3	9.9	10.1	9.5	9.4	9.5
4	---	---	---	---	---	---	10.3	10.2	10.3	9.7	9.4	9.6
5	---	---	---	---	---	---	10.3	10.1	10.2	9.9	9.5	9.8
6	---	---	---	12.7	10.5	12.4	10.1	10.0	10.1	9.8	9.8	9.8
7	---	---	---	10.3	9.9	10.2	10.3	10.0	10.2	9.8	9.6	9.8
8	---	---	---	10.9	10.3	10.7	10.3	10.0	10.2	9.6	9.4	9.5
9	14.0	12.0	13.0	11.3	10.8	11.1	10.1	9.8	10.0	9.9	9.5	9.7
10	14.0	13.4	13.6	11.8	11.3	11.6	10.0	9.8	9.9	10.1	9.9	10.0
11	14.0	13.0	13.4	11.8	11.7	11.7	10.0	9.9	9.9	9.9	9.8	9.9
12	14.0	13.0	13.4	11.9	11.6	11.8	10.0	9.8	9.9	9.7	9.6	9.6
13	13.0	12.8	12.9	11.8	11.5	11.7	9.8	9.6	9.7	9.5	9.3	9.4
14	12.7	12.5	12.6	11.6	11.5	11.5	9.6	9.5	9.6	9.6	9.4	9.5
15	13.1	11.2	12.7	11.5	11.4	11.5	9.6	9.4	9.5	9.7	9.5	9.6
16	11.5	11.1	11.3	11.4	11.0	11.2	9.6	9.4	9.5	9.8	9.6	9.7
17	11.3	11.0	11.1	11.2	11.0	11.1	9.8	9.5	9.6	9.7	9.6	9.7
18	11.1	9.8	10.5	11.1	10.9	11.0	10.1	9.7	9.9	9.6	9.3	9.5
19	10.6	9.9	10.3	11.0	10.8	10.9	10.3	10.0	10.2	9.4	9.1	9.3
20	10.7	9.6	10.4	11.4	10.6	10.8	10.4	10.2	10.3	9.1	8.9	9.1
21	10.6	10.4	10.5	10.8	10.3	10.5	10.3	10.2	10.2	8.9	8.8	8.8
22	10.7	10.3	10.5	10.4	10.2	10.3	10.2	9.9	10.1	8.8	8.7	8.8
23	11.1	10.1	10.5	10.5	10.3	10.4	10.0	9.9	10.0	8.8	8.6	8.7
24	11.4	9.4	10.9	10.6	10.4	10.5	9.9	9.2	9.8	8.9	8.5	8.7
25	10.9	8.6	9.5	10.5	10.4	10.5	10.1	9.9	10.0	9.0	8.6	8.8
26	10.6	8.4	9.4	10.4	10.0	10.2	10.0	9.7	9.9	9.3	8.8	9.0
27	10.5	10.4	10.5	10.3	10.0	10.1	9.6	9.3	9.4	9.2	9.0	9.1
28	10.5	10.3	10.4	12.4	9.9	11.0	9.4	9.2	9.3	9.0	7.6	8.8
29	10.7	10.5	10.6	13.6	11.0	12.3	9.3	9.2	9.3	9.2	8.5	8.8
30	---	---	---	12.8	11.7	12.2	9.1	8.9	9.0	9.6	9.2	9.5
31	---	---	---	11.7	11.3	11.4	---	---	---	9.6	9.4	9.5
MONTH	14.0	8.4	11.3	13.6	9.9	11.1	11.3	8.9	9.9	10.1	7.6	9.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.7	9.5	9.6	8.2	7.1	7.7	8.7	7.5	8.0	8.3	7.5	7.8
2	9.7	9.5	9.6	8.4	7.9	8.1	8.3	7.2	7.7	8.3	8.0	8.1
3	9.4	9.1	9.3	8.8	8.0	8.4	8.3	6.8	7.4	8.0	7.7	7.9
4	9.2	9.0	9.1	8.4	8.0	8.3	8.1	6.9	7.5	8.0	7.3	7.6
5	9.1	8.8	9.0	8.4	7.8	8.1	8.2	7.0	7.5	7.7	7.1	7.4
6	8.9	8.7	8.8	8.4	7.8	8.0	7.8	7.3	7.6	8.6	7.2	7.9
7	8.7	8.5	8.6	8.5	8.0	8.3	7.6	7.3	7.5	8.7	8.3	8.5
8	8.5	8.4	8.5	8.5	8.0	8.4	7.8	7.4	7.6	8.8	8.5	8.6
9	8.5	8.3	8.4	8.5	8.2	8.4	8.0	7.5	7.7	8.7	8.2	8.5
10	8.5	8.1	8.3	8.5	8.0	8.3	7.8	7.1	7.5	8.5	8.0	8.3
11	8.4	6.8	8.1	8.2	7.6	8.0	8.0	6.9	7.2	8.4	7.7	8.1
12	8.0	7.3	7.8	8.0	7.4	7.7	8.4	7.4	7.8	8.0	7.4	7.6
13	7.9	7.0	7.5	8.1	7.6	7.8	8.2	7.3	7.7	7.6	6.9	7.3
14	8.0	7.0	7.5	8.2	7.6	8.0	8.2	7.4	7.8	7.2	6.8	7.0
15	8.3	7.5	7.6	8.4	7.8	8.2	8.1	7.3	7.7	7.3	6.7	7.0
16	8.5	7.6	8.0	8.7	8.1	8.5	7.8	6.9	7.3	7.0	6.5	6.7
17	8.8	7.7	8.1	8.3	7.7	7.9	8.0	6.7	7.3	6.8	6.2	6.5
18	8.6	7.7	8.1	8.2	7.5	7.8	8.7	6.3	7.1	8.6	6.3	7.0
19	8.5	7.4	7.9	8.4	7.8	8.0	8.7	7.0	7.9	8.7	8.0	8.3
20	8.1	7.3	7.7	8.5	7.7	8.1	8.3	7.0	7.7	8.5	8.1	8.4
21	8.4	7.4	7.8	8.7	7.6	8.1	8.4	6.9	7.6	8.3	7.6	7.9
22	8.6	7.2	7.9	8.7	7.7	8.2	8.9	6.6	7.8	8.1	7.2	7.7
23	8.5	7.5	7.9	8.4	7.6	8.0	8.6	7.0	7.9	8.0	7.2	7.8
24	8.5	7.4	7.9	8.5	7.3	7.8	8.6	7.2	8.0	7.5	6.6	7.0
25	8.4	7.4	7.9	8.4	7.1	7.7	8.5	7.4	8.0	6.8	6.0	6.5
26	8.3	7.4	7.8	8.6	7.5	8.0	8.3	7.4	7.9	7.9	6.1	7.4
27	7.6	7.1	7.3	9.0	7.3	8.0	8.2	7.3	7.7	7.4	6.9	7.2
28	7.3	6.5	6.9	8.9	7.6	8.2	7.9	7.2	7.5	7.7	7.0	7.4
29	7.7	5.9	7.1	8.9	7.6	8.2	8.1	7.0	7.4	8.1	7.4	7.7
30	7.9	6.9	7.3	8.5	7.5	8.0	8.0	7.7	7.8	8.6	8.2	8.3
31	---	---	---	9.0	7.1	8.0	7.9	7.4	7.7	---	---	---
MONTH	9.7	5.9	8.1	9.0	7.1	8.1	8.9	6.3	7.6	8.8	6.0	7.7
YEAR	14.0	4.4	9.3									

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	738	509	323	357	---	288	203	279	231	518	549	639
2	735	542	311	369	---	285	224	282	257	500	537	624
3	741	549	312	357	---	285	237	285	288	510	521	626
4	785	510	270	357	---	287	201	279	299	477	504	624
5	846	542	296	351	---	284	188	290	317	470	521	621
6	767	564	257	350	---	294	186	266	338	428	648	609
7	711	603	258	348	---	285	192	270	351	510	632	598
8	723	597	264	354	---	272	203	266	365	414	633	594
9	761	627	270	354	336	267	216	258	372	435	573	620
10	747	590	261	348	321	270	242	281	383	426	494	636
11	710	311	276	366	327	276	257	288	384	453	486	705
12	762	411	266	384	339	294	266	291	339	480	504	740
13	788	375	276	398	336	297	279	294	357	476	527	696
14	725	363	279	402	312	303	285	294	380	500	563	660
15	690	383	279	408	320	315	293	297	398	542	596	626
16	705	312	285	408	269	321	297	302	410	540	648	591
17	689	333	297	408	248	321	299	315	426	528	624	593
18	714	363	309	402	266	324	306	318	438	545	570	567
19	696	354	321	402	270	336	315	326	440	581	537	591
20	696	348	327	414	273	330	321	330	441	560	547	605
21	492	336	333	420	287	260	321	336	441	558	546	725
22	575	350	254	449	296	243	222	348	461	551	567	770
23	422	363	269	465	297	213	230	345	459	551	561	749
24	591	366	282	452	311	209	222	344	458	551	555	786
25	540	369	293	---	306	228	222	359	468	566	548	851
26	435	381	303	---	312	233	236	371	500	551	575	698
27	404	381	323	---	315	252	242	387	513	540	581	627
28	443	318	329	---	281	245	251	392	516	546	605	597
29	435	341	309	---	258	218	264	242	513	546	645	618
30	449	326	341	---	---	204	273	308	510	537	648	600
31	488	---	354	---	---	192	---	290	---	550	542	---
MEAN	645	424	294	389	299	272	250	308	402	516	570	652

WTR YR 1984 MEAN 422 MAX 851 MIN 186

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	5.2	5.9	5.1	---	6.6	6.2	6.5	6.4	6.6	6.7	6.3
2	6.6	5.1	6.3	5.4	---	6.6	5.3	6.4	6.5	6.7	6.7	6.3
3	6.6	5.0	6.4	5.4	---	6.5	6.4	6.4	6.6	6.7	6.7	6.4
4	6.4	5.4	6.9	5.4	---	6.5	5.7	6.4	6.6	6.4	6.8	6.3
5	6.4	5.3	6.1	5.6	---	6.6	6.3	6.2	6.5	6.3	6.7	6.2
6	6.5	5.2	6.6	5.6	---	6.2	6.3	6.4	6.6	6.6	5.9	6.2
7	6.5	5.2	6.4	5.7	---	6.3	6.2	6.5	6.6	6.2	5.2	6.4
8	6.6	5.1	6.4	5.6	---	6.3	6.2	6.4	6.6	5.9	5.2	6.7
9	6.6	5.0	6.4	5.6	6.0	6.3	6.3	6.5	6.6	6.4	5.5	6.7
10	6.6	5.0	6.7	5.7	6.5	6.3	6.0	6.3	6.6	6.5	5.7	6.6
11	6.6	6.4	6.4	5.4	6.6	6.3	5.8	6.5	6.6	6.6	6.4	6.5
12	6.5	5.2	6.7	---	5.6	6.2	5.8	6.6	6.7	6.6	6.5	6.5
13	6.4	5.7	6.3	---	6.5	6.3	5.9	6.5	6.7	6.7	5.8	6.5
14	6.6	5.7	6.5	---	6.9	6.4	5.9	6.4	6.7	6.6	5.7	6.5
15	6.6	5.8	6.4	---	6.3	6.2	5.9	6.4	6.7	6.5	5.7	6.5
16	6.7	6.4	6.4	---	6.4	6.4	5.9	6.4	6.7	6.5	5.2	6.6
17	6.7	6.0	6.6	---	6.7	6.4	5.9	6.4	6.7	6.5	5.2	6.8
18	6.5	6.0	---	---	6.7	6.3	5.9	6.4	6.7	6.2	5.6	6.7
19	6.6	6.0	---	---	6.9	6.3	5.8	6.6	6.7	5.9	6.0	6.7
20	6.6	5.9	---	---	6.9	6.2	5.7	6.6	6.7	6.2	6.1	6.7
21	6.8	6.4	---	---	6.7	6.7	5.9	6.6	6.7	6.4	6.1	6.7
22	6.2	6.4	6.4	---	6.7	6.0	6.8	6.6	6.7	6.5	6.3	6.7
23	5.3	5.7	6.0	---	6.7	6.1	6.5	6.6	6.7	6.6	6.1	6.7
24	---	5.8	6.0	---	6.7	6.1	6.3	6.6	6.7	6.6	6.1	6.5
25	---	5.9	6.2	---	6.8	6.2	6.3	6.5	6.7	6.5	6.3	6.5
26	4.6	5.9	5.7	---	6.7	5.3	6.5	6.4	6.6	6.4	6.3	6.7
27	5.2	6.0	5.2	---	6.7	6.3	6.6	6.4	6.5	6.6	6.4	6.5
28	5.2	6.8	5.2	---	7.0	6.3	6.6	6.4	6.6	6.7	6.4	6.5
29	5.2	5.9	5.4	---	6.8	6.4	6.6	6.7	6.6	6.6	6.3	6.4
30	5.2	6.1	5.1	---	---	6.1	6.6	6.3	6.6	6.6	6.3	6.5
31	5.2	---	5.1	---	---	6.2	---	6.4	---	6.6	6.3	---
MEAN	6.2	5.7	6.1	5.5	6.7	6.3	6.2	6.5	6.6	6.5	6.1	6.5

WTR YR 1984 MEAN 6.3 MAX 7.0 MIN 4.6

03202000 RACCOON CREEK AT ADAMSVILLE, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.5	10.5	5.0	.5	---	3.0	5.0	16.0	14.0	21.0	24.5	22.0
2	15.5	11.0	4.5	.5	---	3.0	7.0	15.0	14.0	21.0	25.0	22.0
3	16.0	12.5	4.0	.5	---	3.0	9.0	14.0	16.0	22.0	25.5	23.5
4	16.0	11.0	5.5	.5	---	2.5	7.5	13.5	17.0	22.5	25.5	22.5
5	16.5	9.5	5.5	.0	---	5.0	7.5	13.0	18.5	22.0	25.5	20.0
6	16.5	9.5	6.0	.0	---	2.5	7.0	13.0	20.0	22.0	26.0	18.5
7	15.0	9.0	5.5	.0	---	2.5	7.0	14.0	21.5	22.5	25.5	17.5
8	14.0	8.5	5.0	.5	---	2.5	8.0	14.5	22.0	21.0	25.5	17.5
9	14.0	8.5	4.5	.5	.5	2.0	8.5	12.5	23.0	21.0	25.5	18.5
10	14.5	9.5	5.0	.5	.5	1.5	9.0	12.0	23.5	22.5	25.5	19.5
11	14.5	9.5	5.0	.5	1.0	2.0	10.0	13.0	23.5	23.5	25.0	20.0
12	15.0	8.5	6.0	.5	2.0	2.0	10.5	15.0	23.0	24.0	24.5	20.5
13	15.5	7.0	7.0	.5	3.5	2.5	11.5	15.0	24.5	24.5	25.0	21.0
14	14.0	6.5	7.0	1.0	4.0	3.0	12.5	14.5	25.0	24.5	25.0	21.5
15	13.0	6.5	7.0	1.0	4.5	4.0	12.5	14.0	25.5	25.0	25.0	21.5
16	12.5	7.0	6.0	1.0	4.5	6.0	12.0	14.0	24.5	25.0	25.0	19.0
17	12.5	7.0	4.5	1.0	4.5	6.0	11.0	14.0	24.5	25.0	25.0	17.5
18	13.5	6.5	3.5	1.0	5.5	6.0	9.5	14.0	25.0	24.5	25.0	17.0
19	13.5	7.0	2.5	.5	7.5	6.0	9.5	15.0	26.0	23.5	24.5	17.0
20	13.5	8.0	1.5	.5	7.0	7.0	9.5	16.5	25.5	23.5	24.0	17.0
21	13.5	8.5	1.0	.5	6.0	7.0	10.0	18.0	25.0	23.5	23.5	18.0
22	12.5	8.0	2.5	.5	5.5	6.0	9.5	19.0	24.5	23.5	23.5	19.0
23	12.5	8.0	1.0	.5	5.5	5.5	9.5	19.5	24.5	24.0	24.0	20.0
24	13.0	8.5	.0	.5	5.5	5.5	9.5	19.5	24.5	25.5	23.0	20.0
25	13.0	7.5	.0	---	7.0	5.5	9.5	19.5	23.5	24.0	22.0	20.0
26	12.5	7.0	.0	---	7.0	6.5	11.5	19.5	23.0	23.0	21.5	20.0
27	11.5	6.5	.5	---	5.0	7.0	13.5	19.5	22.5	23.0	22.0	17.5
28	11.0	7.5	.5	---	3.5	7.5	15.0	19.5	22.5	22.5	22.5	16.0
29	11.5	7.0	.5	---	2.5	7.0	15.5	17.5	23.0	22.0	23.5	14.5
30	11.0	6.0	.5	---	---	5.5	16.5	15.5	21.5	22.0	24.0	13.5
31	10.5	---	.5	---	---	5.5	---	15.0	---	22.5	23.5	---
MEAN	13.5	8.5	3.5	.5	4.5	4.5	10.0	15.5	22.5	23.0	24.5	19.0

WTR YR 1984 MEAN 13.0 MAX 26.0 MIN .0

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	9.4	11.0	10.2	---	11.1	11.0	9.1	9.6	7.7	8.0	7.8
2	7.3	9.2	11.1	10.1	---	10.5	10.4	9.2	9.6	8.2	7.7	8.1
3	7.3	8.8	11.1	10.2	---	---	10.1	9.5	9.3	8.4	7.4	7.9
4	6.9	8.8	10.7	12.0	---	---	10.3	9.7	9.1	8.2	7.5	7.6
5	6.3	9.1	10.5	12.0	---	---	10.2	9.8	9.0	8.1	7.5	7.4
6	6.8	9.3	10.3	12.0	---	12.7	10.1	9.8	8.8	8.0	7.5	7.8
7	6.7	9.4	10.5	12.1	---	10.2	10.2	9.8	8.6	8.4	7.5	8.5
8	6.6	9.6	10.7	12.2	---	10.8	10.2	9.5	8.5	8.5	7.6	8.6
9	6.3	9.5	10.9	12.3	13.0	11.1	10.0	9.8	8.4	8.4	7.7	8.5
10	6.9	9.4	11.0	12.2	13.6	11.6	9.9	10.0	8.2	8.2	7.5	8.4
11	6.8	9.0	11.0	12.2	13.6	11.7	9.9	9.9	8.2	8.0	7.2	8.1
12	5.8	9.3	10.6	12.0	13.6	11.8	9.9	9.6	7.9	7.6	7.7	7.6
13	5.4	9.7	10.3	11.9	12.8	11.8	9.8	9.4	7.5	7.7	7.8	7.3
14	5.9	10.1	10.2	11.5	12.6	11.5	9.6	9.5	7.5	8.0	7.8	7.0
15	5.7	10.2	10.2	11.2	12.6	11.5	9.5	9.6	7.8	8.2	7.7	7.0
16	6.0	10.1	10.5	11.8	11.3	11.1	9.5	9.7	8.1	8.5	7.3	6.7
17	6.2	10.6	10.9	11.8	11.1	11.1	9.7	9.7	8.1	7.9	7.3	6.5
18	5.1	10.5	11.2	12.0	10.6	11.0	9.9	9.5	8.0	7.9	6.9	6.4
19	5.2	10.5	11.4	11.9	10.3	10.9	10.3	9.3	7.7	8.0	7.9	8.4
20	5.8	10.2	11.6	11.8	10.4	10.7	10.3	9.1	7.7	8.1	7.8	8.4
21	7.3	10.1	11.6	11.5	10.5	10.5	10.2	8.8	7.7	8.0	7.6	7.9
22	8.4	10.5	11.6	11.5	10.6	10.3	10.1	8.8	7.9	8.1	7.9	7.6
23	8.4	10.4	11.9	11.4	10.5	10.4	10.0	8.7	7.9	7.9	8.0	7.8
24	8.5	10.1	12.0	11.1	11.0	10.5	9.9	8.8	7.8	7.8	8.0	7.0
25	8.4	10.2	11.9	---	9.7	10.5	10.0	8.9	7.8	7.7	8.1	6.5
26	8.5	10.3	11.7	---	9.1	10.2	9.9	9.1	7.7	8.0	8.0	7.6
27	9.0	10.7	11.3	---	10.5	10.2	9.4	9.1	7.3	7.9	7.7	7.3
28	9.3	10.3	10.9	---	10.4	11.1	9.3	8.9	6.9	8.2	7.5	7.4
29	9.2	10.5	10.7	---	10.6	12.2	9.3	8.8	7.4	8.1	7.2	7.7
30	9.3	10.7	10.6	---	---	12.1	9.1	9.5	7.3	7.9	7.9	8.3
31	9.3	---	10.4	---	---	11.4	---	9.6	---	7.6	7.7	---
MEAN	7.2	9.9	11.0	11.6	11.4	11.1	9.9	9.4	8.1	8.0	7.6	7.6

WTR YR 1984 MEAN 9.3 MAX 13.6 MIN 5.1

03219500 SCIOTO RIVER NEAR PROSPECT, OH

LOCATION.--Lat 40°25'10", long 83°11'50", Delaware County, Hydrologic Unit 05060001, on right bank at downstream side of Hoskins Bridge, 1.5 mi upstream from Ottawa Creek, 2.0 mi south of Prospect, and 2.5 mi downstream from Patton Run.

DRAINAGE AREA.--567 mi².

PERIOD OF RECORD.--July 1925 to October 1932, October 1939 to current year. Published as "at Prospect" 1925-32 Gage-height records collected in this vicinity since 1915 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 886.9 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). July 24, 1925, to Oct. 31, 1932, nonrecording gage at site 2.5 mi upstream at datum 4.8 ft higher. Oct. 16 to Dec. 5, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for the winter period, which are poor. Water-quality data collected at this site 1964 to 1977. Sediment data collected 1951 to 1953.

AVERAGE DISCHARGE.--52 years, 456 ft³/s, 10.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft³/s Mar. 22, 1927, gage-height, 15.0 ft, from graph based on gage readings at site and datum then in use, and Jan. 21, 1959, gage height, 15.30 ft; minimum, 3.5 ft³/s Sept. 13, 1953.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913, reached a stage of 21.1 ft, discharge, 27,000 ft³/s, computed by Franklin County Conservancy District, at site and datum used 1925-32.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,600 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 15	2000	4300	9.60	Apr. 7	1400	4080	9.31
Mar. 18	2100	5010	10.50	Apr. 25	0400	4460	9.81
Mar. 23	1000	*5390	*10.96				

minimum discharge 12 ft³/s Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	92	520	110	200	244	976	456	205	90	27	14
2	12	85	500	110	150	241	702	369	188	68	24	13
3	12	239	470	100	400	224	571	309	168	54	25	14
4	12	777	660	96	1700	201	621	303	149	58	33	26
5	27	834	1100	90	1200	226	1570	289	138	54	34	21
6	88	489	1800	84	900	33	3070	259	125	79	28	23
7	168	312	2800	80	639	504	4000	231	115	112	27	21
8	97	229	1600	76	453	567	3370	217	104	133	29	17
9	56	174	1100	70	300	360	1880	219	94	136	26	16
10	37	149	700	68	283	389	1020	217	85	133	25	21
11	27	716	500	64	1030	366	715	210	76	112	23	25
12	24	923	1400	60	1570	283	551	226	68	90	26	19
13	123	906	3000	56	2260	234	474	286	65	77	25	17
14	357	889	2700	54	3670	217	432	336	84	68	23	19
15	392	851	2000	52	4100	234	493	278	77	56	21	21
16	234	972	1320	50	4060	1450	976	231	82	43	20	18
17	128	932	838	48	2840	3070	1060	199	92	33	19	15
18	94	902	555	47	1640	4750	1060	178	79	30	17	15
19	72	822	360	46	1170	4570	1090	162	67	26	16	16
20	68	805	351	45	1010	3130	963	160	59	24	14	15
21	77	817	370	44	822	3700	716	354	56	24	15	15
22	369	822	320	43	626	4700	670	863	59	22	16	14
23	945	805	240	44	489	5330	1760	945	138	21	19	13
24	884	906	200	80	412	4520	3980	801	369	21	17	16
25	600	910	170	180	363	3280	4370	661	312	23	15	17
26	450	867	150	400	348	2950	3430	449	219	23	16	17
27	320	813	140	820	382	3300	1910	336	160	32	15	15
28	220	773	130	600	379	3130	1090	278	135	36	14	15
29	160	600	130	450	251	2320	738	259	107	34	14	14
30	110	560	120	350	---	1630	567	241	89	33	14	13
31	100	---	110	270	---	1220	---	229	---	31	15	---
TOTAL	6275	19971	26354	4687	33647	57673	44826	10551	3767	1776	652	515
MEAN	202	666	850	151	1160	1860	1494	340	126	57.3	21.0	17.2
MAX	945	972	3000	820	4100	5330	4370	945	369	136	34	26
MIN	12	85	110	43	150	201	432	160	56	21	14	13
CFSM	.36	1.18	1.50	.27	2.05	3.28	2.64	.60	.22	.10	.04	.03
IN.	.41	1.31	1.73	.31	2.21	3.78	2.94	.69	.25	.12	.04	.03

CAL YR 1983 TOTAL 136538 MEAN 374 MAX 5390 MIN 12 CFSM .66 IN 8.96
WTR YR 1984 TOTAL 210694 MEAN 576 MAX 5330 MIN 12 CFSM 1.02 IN 13.82

03219590 BOKES CREEK NEAR WARRENSBURG, OH

LOCATION.--Lat 40°19'20", long 83°10'30", Delaware County, Hydrologic Unit 05060001, on right bank at downstream side of bridge on State Highway 257, 3.4 mi downstream from Fulton Creek, 0.7 mi upstream from Moors Run, and 1.2 mi north of Warrensburg.

DRAINAGE AREA.--83.2 mi².

PERIOD OF RECORD.--May 1982 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 870 ft from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft³/s June 20, 1983, gage height 11.60 ft; minimum, no flow many days during 1982, 1983, 1984.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 800 ft³/s "revised" and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 15	0330	1050	9.96	Mar. 22	0715	1220	10.25
Mar. 17	1845	*1490	*10.66	Apr. 6	0345	876	9.62

Minimum, No flow many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	16	146	18	39	40	90	38	23	11	.00	.00
2	.00	16	103	17	44	38	65	34	20	7.5	.00	.00
3	.00	86	87	15	260	37	60	30	16	5.5	.00	.00
4	.00	131	125	14	420	36	112	26	15	4.2	.00	.00
5	.00	113	401	13	277	35	522	25	13	3.9	.00	.00
6	.00	74	522	12	100	34	775	24	12	4.6	.00	.00
7	.00	53	594	11	80	33	392	22	10	5.5	.00	.00
8	.00	40	279	11	68	33	175	21	9.6	11	.00	.00
9	.00	32	146	10	60	32	111	21	8.0	11	.00	.00
10	.00	36	118	9.8	56	32	84	21	7.1	8.0	.00	.00
11	.00	319	117	9.6	120	31	68	20	6.2	7.1	.00	.00
12	.00	567	383	9.0	362	31	58	20	5.9	5.0	.00	.00
13	.05	266	614	8.6	353	30	51	19	5.5	3.5	.00	.00
14	9.6	133	263	8.2	930	30	49	19	5.5	2.5	.00	.00
15	6.2	107	169	7.8	820	40	48	20	5.5	1.8	.00	.00
16	19	154	138	7.6	237	657	70	19	5.5	1.3	.00	.00
17	23	325	97	7.2	152	1210	179	17	5.5	.99	.00	.00
18	19	222	79	6.8	124	685	131	16	5.0	.53	.00	.00
19	22	135	70	6.6	113	239	117	16	4.6	.42	.28	.00
20	20	118	62	6.4	105	255	90	17	4.6	.38	.25	.00
21	31	118	56	6.2	87	970	70	67	4.6	.31	.05	.00
22	74	129	50	6.2	74	1080	62	203	4.2	.18	.02	.00
23	173	159	46	7.0	64	430	383	127	4.6	.07	.04	.00
24	177	392	42	25	57	242	456	120	5.9	.02	.01	.00
25	115	350	38	146	51	247	206	68	39	.01	.00	.00
26	76	150	35	247	48	665	110	45	77	.01	.00	.00
27	51	105	32	260	45	480	80	34	45	.07	.00	.00
28	40	446	27	210	44	212	61	33	29	.05	.00	.00
29	33	698	24	125	42	222	50	39	19	.01	.00	.00
30	24	356	22	84	---	169	45	35	14	.00	.00	.00
31	19	---	20	55	---	110	---	29	---	.00	.00	---
TOTAL	931.85	5846	4905	1380.0	5232	8385	4870	1245	429.8	96.45	.65	.00
MEAN	30.1	195	158	44.5	180	270	162	40.2	14.3	3.11	.021	.000
MAX	177	698	614	260	930	1210	775	203	77	11	.28	.00
MIN	.00	16	20	6.2	39	30	45	16	4.2	.00	.00	.00
CFSM	.36	2.34	1.90	.54	2.16	3.25	1.95	.48	.17	.04	.000	.000
IN.	.42	2.61	2.19	.62	2.34	3.75	2.18	.56	.19	.04	.00	.00

CAL YR 1983 TOTAL 26946.63 MEAN 73.8 MAX 1800 MIN .00 CFSM .89 IN 12.05
WTR YR 1984 TOTAL 33321.75 MEAN 91.0 MAX 1210 MIN .00 CFSM 1.09 IN 14.90

03220000 MILL CREEK NEAR BELLEPOINT, OH

LOCATION.--Lat 40°14'54", long 83°10'26", Delaware County, Hydrologic Unit 05060001, on left bank at upstream side of county road bridge, 1.2 mi west of Bellepoint, 1.5 mi upstream from mouth, and 2.3 mi downstream from Blues Creek.

DRAINAGE AREA.--178 mi².

PERIOD OF RECORD.--October 1942 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 865.14 ft National Geodetic Vertical Datum of 1929 (levels by students of Ohio State University, City of Columbus bench mark). Prior to Jan. 1, 1948, nonrecording gage, at same site and datum.

REMARKS.--Records good. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--42 years, 154 ft³/s, 11.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft³/s Jan. 21, 1959, gage height, 13.85 ft, from rating curve extended above 14,000 ft³/s; no flow Sept. 25, 26, 1944, Sept. 19, 1948.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 18.0 ft occurred in March 1913.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 14	1330	2,620	6.56	Mar. 21	1130	3,120	7.06
Mar. 16	2345	*3,280	*7.21				

Minimum daily discharge, 2.9 ft³/s Aug. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	10	176	30	35	66	160	73	49	9.1	6.3	4.6
2	5.6	13	116	29	46	61	125	61	40	8.7	5.7	4.9
3	5.5	113	91	28	927	64	110	60	32	9.1	5.1	6.3
4	6.8	317	432	27	985	59	397	85	27	8.3	12	4.4
5	7.2	137	1100	26	316	76	1750	73	26	11	13	4.6
6	13	69	1190	25	119	244	1450	61	22	12	13	5.1
7	9.6	42	1020	24	77	313	697	54	21	14	17	5.7
8	5.7	31	337	23	68	197	302	82	18	27	12	4.6
9	6.3	22	195	22	54	100	188	81	16	21	9.5	4.4
10	7.2	33	159	21	115	78	138	66	15	14	7.6	5.1
11	5.6	1160	198	20	927	64	108	58	13	13	38	6.0
12	4.9	1060	1140	19	723	60	87	58	12	9.9	28	5.3
13	26	296	894	18	986	60	87	50	12	8.7	11	5.4
14	62	150	344	17	2430	89	81	50	13	8.7	11	6.6
15	18	116	260	17	1150	194	85	43	15	8.0	10	9.5
16	17	304	202	16	437	2500	154	39	12	6.9	7.3	7.6
17	11	462	117	15	302	2670	311	35	11	6.9	6.3	5.4
18	9.9	268	78	15	250	879	299	33	12	5.7	7.3	4.4
19	32	144	60	14	231	453	221	31	10	6.9	7.6	3.3
20	22	119	75	14	204	743	154	34	11	6.0	6.3	3.5
21	77	155	73	14	146	2850	115	265	10	6.6	5.4	3.7
22	128	177	68	13	111	1610	154	561	9.5	5.7	4.9	3.7
23	397	401	56	14	91	688	839	317	12	6.0	7.3	4.1
24	289	1210	48	30	80	486	912	279	35	4.4	8.3	4.4
25	143	475	42	508	74	770	418	123	41	4.6	6.6	6.3
26	73	191	38	792	87	2110	207	75	28	6.6	5.4	7.6
27	42	125	36	441	89	829	238	55	18	9.5	5.1	13
28	25	1520	34	215	116	456	140	55	13	8.0	3.7	6.3
29	18	1480	33	101	157	611	95	115	12	7.6	2.9	5.1
30	14	371	32	53	---	394	85	93	11	7.6	4.4	4.4
31	11	---	31	47	---	223	---	64	---	4.9	6.0	---
TOTAL	1496.9	10971	8675	2678	11333	19997	10107	3129	576.5	286.4	294.0	156.3
MEAN	48.3	366	280	86.4	391	645	337	101	19.2	9.24	9.48	5.54
MAX	397	1520	1190	792	2430	2850	1750	561	49	27	38	13
MIN	4.6	10	31	13	35	59	81	31	9.5	4.4	2.9	3.3
CFSM	.27	2.06	1.57	.49	2.20	3.62	1.89	.57	.11	.05	.05	.03
IN.	.31	2.29	1.81	.56	2.37	4.18	2.11	.65	.12	.06	.06	.03

CAL YR 1983 TOTAL 54311.84 MEAN 149 MAX 4200 MIN .67 CFSM .84 IN 11.35
WTR YR 1984 TOTAL 69710.10 MEAN 190 MAX 2850 MIN 2.9 CFSM 1.07 IN 14.57

03221000 SCIOTO RIVER BELOW O'SHAUGHNESSY DAM, NEAR DUBLIN, OH

LOCATION.--Lat 40°08'36", long 83°07'14", Delaware County, Hydrologic Unit 05060001, on left bank, 0.2 mi north of county line, 0.8 mi downstream from O'Shaughnessy Dam, and 3.0 mi north of Dublin.

DRAINAGE AREA.--980 mi^2.

PERIOD OF RECORD.--April 1921 to current year.

REVISED RECORDS.--WSP 803: 1924-35. WSP 1725: 1924. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 775.00 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 26, 1921, nonrecording gage at site 0.8 mi upstream at same datum. Aug. 26, 1921, to Oct. 13, 1924, nonrecording gage at site 100 ft downstream at same datum.

REMARKS.--Records good. Flow regulated since 1924 by O'Shaughnessy Reservoir 0.8 mi upstream (see station 03220500). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--63 years, 792 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,200 ft^3/s Jan. 22, 1959, gage height, 22.04 ft, from floodmark; minimum daily, 0.4 ft^3/s Nov. 8, 1924.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913 reached a stage of 24.6 ft, discharge, 74,500 ft^3/s at Griggs Dam, 9 mi downstream from gage, computed by C.E. Sherman, Ohio State University.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,100 ft^3/s Mar. 21, gage height, 10.75 ft; minimum daily, 17 ft^3/s Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	148	3420	200	296	424	1490	788	407	106	37	61
2	42	151	2220	190	287	413	1150	659	363	103	50	51
3	42	331	1230	190	1570	402	952	624	326	96	90	51
4	45	961	1540	180	2890	368	1190	638	277	98	99	59
5	45	1220	3370	170	2400	430	4470	555	263	106	99	59
6	37	820	4510	160	1820	772	6220	503	254	103	99	59
7	42	523	5060	150	1120	1100	5730	454	232	119	99	59
8	42	379	4260	150	652	1150	4550	523	211	144	96	51
9	44	316	3480	140	497	704	3010	510	193	194	96	51
10	44	296	2320	130	536	704	1820	454	172	189	103	59
11	44	1780	1570	120	2340	704	1240	424	159	172	96	59
12	44	3600	3060	110	3120	536	969	430	129	133	93	59
13	48	2910	4130	110	3850	491	852	430	133	109	93	59
14	44	2690	3670	100	8270	478	780	516	148	96	90	51
15	44	1910	3030	100	7020	603	734	497	129	88	93	59
16	44	1660	2100	94	5220	5860	1170	436	129	82	93	59
17	44	2590	1390	90	3990	8510	1820	379	136	61	90	59
18	46	2750	935	86	2660	7220	1870	347	148	51	90	59
19	44	2580	652	82	1940	5880	1740	331	148	46	88	59
20	38	2130	497	78	1650	5040	1560	342	119	46	88	59
21	17	1770	478	76	1360	9980	1230	652	115	46	88	51
22	28	1650	536	74	1060	8720	1070	1730	103	46	88	51
23	228	1670	390	74	852	7020	2720	1820	112	44	88	51
24	1720	3240	316	140	726	5860	5630	1570	311	44	88	51
25	1630	2940	290	510	624	4910	5520	1190	379	44	88	42
26	1100	2340	270	961	596	6950	4380	868	352	44	88	22
27	624	1780	250	1470	652	5300	3100	624	268	38	90	21
28	419	3650	240	1260	719	4350	1890	562	215	37	90	21
29	306	5060	220	986	448	3680	1230	569	184	35	79	20
30	215	4020	210	638	---	2760	969	529	148	35	64	19
31	172	---	200	407	---	2040	---	466	---	37	61	---
TOTAL	7324	57865	55844	9226	59165	103359	71056	20420	6263	2582	2694	1591
MEAN	236	1929	1801	298	2040	3334	2369	659	209	83.3	86.9	52.7
MAX	1720	5060	5060	1470	8270	9980	6220	1820	407	189	103	61
MIN	17	148	200	74	287	368	734	331	103	35	37	19

CAL YR 1983 TOTAL 283717 MEAN 777 MAX 9530 MIN 17
WTR YR 1984 TOTAL 397379 MEAN 1086 MAX 9980 MIN 17

03223000 OLENTANGY RIVER AT CLARIDON, OH

LOCATION.--Lat 40°34'58", long 82°59'20", in NW 1/4 sec. 26, T.5 S., R.16 E., Marion County, Hydrologic Unit 05060001, on left bank 900 ft downstream from bridge on State Highway 95, 0.5 mi east of Claridon, 0.8 mi downstream from Otter Creek, and 1.4 mi upstream from Beaver Run.

DRAINAGE AREA.--157 mi^2.

PERIOD OF RECORD.--October 1946 to current year.

REVISED RECORDS.--WSP 1235: 1947, 1948(P). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 961.72 ft National Geodetic Vertical Datum of 1929. (levels by Corps of Engineers). Prior to Aug. 18, 1969 water-stage recorder at site 1,000 ft upstream at same datum.

REMARKS.--Records good except those for winter periods which are fair. Small diversion at gage for irrigation of golf course. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--38 years, 154 ft^3/s, 13.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,900 ft /s Jan. 22, 1959, gage height, 16.77 ft, from rating curve extended above 4,700 ft^3/s on basis of contracted-opening measurement of peak flow; no flow Oct. 2-26, 1953, Sept. 14-22, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,500 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 12	0530	1500	8.30	Mar. 17	0300	2160	9.79
Feb. 4	0800	1580	8.55	Mar. 22	1130	*2910	*10.90
Feb. 14	1630	1570	8.52				

Minimum discharge, 1.8 ft^3/s Oct. 4,5; minimum gage-height, 0.30 ft Aug. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	36	248	37	90	52	216	105	75	14	5.1	55
2	2.7	81	168	34	80	52	179	87	64	13	4.7	18
3	2.5	651	135	32	737	50	149	79	57	12	6.9	13
4	2.0	547	494	31	1420	50	153	100	49	10	8.4	13
5	8.7	222	1300	29	995	83	396	123	43	15	10	30
6	111	126	1320	28	390	224	642	100	38	34	16	15
7	64	88	1140	26	250	288	512	89	34	37	11	8.9
8	26	69	575	25	170	189	280	87	31	29	8.6	6.7
9	14	58	302	24	120	150	196	133	28	19	25	5.3
10	8.9	56	233	22	150	130	153	128	25	17	29	10
11	7.0	788	245	21	450	100	126	100	22	15	32	41
12	5.3	1410	885	20	700	90	106	233	20	38	16	32
13	40	829	747	19	450	74	101	293	20	44	9.9	14
14	292	367	354	18	1450	70	103	153	78	20	7.4	11
15	134	265	262	17	900	141	154	112	109	13	5.8	8.6
16	58	552	204	17	400	1360	204	84	47	10	5.4	6.7
17	35	772	148	16	300	2050	250	70	32	8.8	4.9	6.8
18	26	436	105	15	250	1460	300	61	27	8.0	4.7	6.0
19	30	392	96	15	200	434	312	57	25	7.1	4.4	5.6
20	38	650	90	14	150	475	238	59	54	6.7	4.2	4.8
21	43	545	84	14	120	2100	173	501	46	6.7	4.1	4.3
22	195	361	100	14	100	2710	316	632	44	6.3	4.8	3.9
23	990	278	150	13	90	1590	1110	535	35	6.0	5.2	3.9
24	758	782	130	13	80	808	1200	485	74	6.0	5.4	6.0
25	308	497	100	100	70	658	827	220	53	5.6	7.4	4.9
26	164	248	70	600	64	888	365	141	31	5.8	5.4	5.4
27	105	177	60	880	58	559	242	104	24	11	4.4	6.7
28	76	913	54	500	54	380	196	88	20	22	3.9	10
29	59	1220	49	250	52	424	152	98	17	16	3.5	8.3
30	46	592	45	150	---	354	127	105	15	9.3	3.1	7.2
31	39	---	40	110	---	250	---	87	---	6.5	48	---
TOTAL	3690.9	14008	9933	3104	10340	18243	9480	5249	1237	471.8	314.6	372.0
MEAN	119	467	320	100	357	588	316	169	41.2	15.2	10.1	12.4
MAX	990	1410	1320	880	1450	2710	1200	632	109	44	48	55
MIN	2.0	36	40	13	52	50	101	57	15	5.6	3.1	3.9
CFSM	.76	2.98	2.04	.64	2.27	3.75	2.01	1.08	.26	.10	.06	.08
IN.	.87	3.32	2.35	.74	2.45	4.32	2.25	1.24	.29	.11	.07	.09

CAL YR 1983 TOTAL 55337.3 MEAN 152 MAX 1740 MIN 1.9 CFSM .97 IN 13.11
WTR YR 1984 TOTAL 76443.3 MEAN 209 MAX 2710 MIN 2.0 CFSM 1.33 IN 18.11

03225500 OLENTANGY RIVER NEAR DELAWARE, OH

LOCATION.--Lat 40°21'18", long 83°04'02", in NE 1/4 T.5 N., R.19 W., Delaware County, Hydrologic Unit 05060001, on left bank 500 ft upstream from highway bridge, 1,000 ft downstream from Delaware Dam, 1.300 ft upstream from Norfolk and Westerm Railway bridge, and 4.0 mi north of Delaware.

DRAINAGE AREA.--393 mi^2.

PERIOD OF RECORD.--October 1923 to September 1934, April 1938 to current year. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 799.58 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1950, water-stage recorder at site 500 ft downstream at datum 76.7 ft higher.

REMARKS.--Records good. Flow completely regulated by Delaware Lake since 1951. Water-quality data collected at this site 1965 to 1977. Water-temperature data collected 1946 to 1961.

AVERAGE DISCHARGE.--57 years, 353 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft^3/s Mar. 21, 1927, gage height, 16.9 ft, site and datum then in use; minimum daily, 0.1 ft^3/s Sept. 14-29, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,140 ft^3/s Mar. 18, gage height, 86.59 ft; minimum daily, 17 ft^3/s July 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	88	1520	74	109	154	2020	338	122	31	36	23
2	19	150	845	66	111	168	890	172	122	36	38	23
3	19	845	501	106	845	168	563	168	122	22	39	22
4	19	1090	897	90	2070	168	425	184	122	18	39	19
5	19	692	1900	74	1550	172	1420	184	89	17	39	19
6	19	686	2440	74	516	516	1900	184	73	18	39	19
7	19	383	2550	73	172	686	1910	345	73	19	39	20
8	19	245	2110	73	273	686	1000	401	45	18	40	21
9	19	245	1100	73	210	389	324	215	23	19	40	21
10	19	240	662	73	144	225	262	304	22	27	41	21
11	19	304	501	58	465	225	291	338	21	31	41	21
12	19	279	1220	53	656	215	273	256	19	30	40	21
13	21	769	1760	51	2040	215	94	256	19	28	41	21
14	20	1380	1310	51	3220	215	76	413	20	30	41	22
15	19	1650	730	51	3500	230	76	571	20	30	40	21
16	19	1630	419	51	3040	1560	122	53	21	30	40	21
17	19	1210	251	51	1700	2630	304	137	22	30	39	21
18	21	1460	251	51	641	3410	531	106	82	31	40	22
19	21	1700	210	51	704	3840	571	84	106	31	40	22
20	21	1670	161	46	810	2530	563	88	106	32	38	22
21	22	1630	176	43	389	704	571	338	86	35	37	23
22	31	1310	273	43	125	50	571	1330	74	35	36	23
23	458	1100	165	30	125	298	762	1700	74	35	35	25
24	1040	1100	67	55	161	2550	656	1450	74	35	35	24
25	1100	1230	67	479	176	2970	1590	516	90	35	32	23
26	494	1290	67	984	176	2960	2150	125	97	35	32	23
27	150	1230	279	912	215	2910	2110	120	97	35	32	22
28	51	1160	168	723	225	2930	1540	206	82	34	31	22
29	29	1370	101	445	157	2910	395	445	57	33	31	22
30	29	1790	88	235	---	2840	353	419	50	31	31	22
31	24	---	74	125	---	2670	---	235	---	32	27	---
TOTAL	3817	29926	22863	5364	24525	42194	24313	11681	2030	923	1149	651
MEAN	123	998	738	173	846	1361	810	377	67.7	29.8	37.1	21.7
MAX	1100	1790	2550	984	3500	3840	2150	1700	122	51	41	25
MIN	19	88	67	30	109	50	76	53	19	17	27	19

CAL YR 1983 TOTAL 122762 MEAN 336 MAX 4180 MIN 15
WTR YR 1984 TOTAL 169436 MEAN 463 MAX 3840 MIN 17

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03226800 OLENTANGY RIVER NEAR WORTHINGTON, OH

LOCATION.--Lat 40°06'37", long 83°01'55", in NW 1/4 T.2N., R.18W., Franklin County, Hydrologic Unit 05060001, on left bank 350 ft downstream from Interstate Highway 270 bridge, 1.5 mi northwest of Worthington and 2.8 mi upstream from Rush Run.

DRAINAGE AREA.--497 mi².

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WSP 1625: 1952(M). WSP 1908 Drainage area. WRD Ohio 1972: 1971(M). WRD-OH-80-1: 1976 (M), 1978 (M).

GAGE.--Water-stage recorder. Datum of gage is 743.20 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for winter periods which are poor. Flow regulated by Delaware Lake 21 mi upstream see station 03225000). Water-quality data collected at this site 1965 to 1977. Water-temperature records collected 1955 to 1968. Daily suspended sediment data collected 1978 to 1981.

AVERAGE DISCHARGE.--29 years, 456 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Jan. 21, 1959, gage height, 15.68 ft, from high-water mark in well; minimum daily, 8.5 ft³/s Sept. 26, 1967

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1952 reached a stage of 15.3 ft, discharge, 15,000 ft³/s, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,700 ft³/s Mar. 21, gage height 8.42 ft; minimum daily 13 ft³/s Oct. 2, 3

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	40	1580	94	270	192	2160	492	188	52	35	35
2	13	181	1050	84	200	231	1060	337	171	64	37	31
3	13	678	678	80	180	231	918	332	167	53	43	29
4	19	1290	1450	120	1800	227	578	473	160	37	49	31
5	26	786	1980	100	1400	302	1470	327	144	41	53	26
6	44	746	2600	92	450	593	2030	297	102	72	47	20
7	23	621	2600	86	250	885	1950	347	97	58	46	17
8	19	307	2250	84	330	818	1390	671	94	35	53	18
9	16	307	1350	80	400	649	629	518	69	30	46	22
10	16	307	693	78	200	327	327	327	41	35	49	40
11	16	851	649	74	450	327	419	492	39	31	112	35
12	16	628	1110	66	800	297	368	390	33	38	64	26
13	80	586	1710	62	1300	312	347	363	30	40	49	20
14	72	1200	1540	60	2500	337	154	390	35	37	46	26
15	30	1530	843	56	3550	461	188	642	34	35	44	29
16	23	1620	600	54	3240	2790	188	322	28	41	44	24
17	22	1470	327	52	2070	2980	379	141	29	41	44	20
18	26	1260	290	49	818	3250	535	196	34	35	44	20
19	62	1610	250	47	826	3900	708	144	107	34	43	19
20	47	1600	200	45	964	3340	586	154	123	34	43	19
21	78	1580	200	43	746	3430	564	454	121	35	41	19
22	85	1420	240	39	235	770	910	1040	89	38	46	21
23	92	1380	300	35	219	473	1030	2250	89	41	53	22
24	955	1440	400	30	223	2150	1120	1480	141	40	43	23
25	1090	1260	210	250	265	3240	1380	982	129	41	37	26
26	843	1290	130	600	261	3490	2090	223	115	40	35	44
27	293	1240	200	1200	261	2980	2380	185	118	44	33	33
28	154	1890	390	900	317	3030	1960	261	112	43	34	23
29	68	1330	230	800	283	3080	770	486	92	49	35	20
30	43	1730	150	620	---	2820	436	551	68	43	37	20
31	41	---	110	400	---	2670	---	413	---	37	38	---
TOTAL	4340	32178	26310	6380	24808	50582	29123	15680	2797	1304	1423	758
MEAN	140	1073	849	206	855	1632	971	506	93.2	42.1	45.9	25.3
MAX	1090	1890	2600	1200	3550	3900	2380	2250	188	72	112	44
MIN	13	40	110	30	180	192	154	141	28	30	33	17

CAL YR 1983 TOTAL 145984 MEAN 400 MAX 4000 MIN 13
WTR YR 1984 TOTAL 195683 MEAN 535 MAX 3900 MIN 13

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03227500 SCIOTO RIVER AT COLUMBUS, OH

LOCATION.--Lat 39°54'34", long 83°00'33", Franklin County, Hydrologic Unit 05060001, on right bank at sewage-treatment plant of city of Columbus, 0.4 mi downstream from bridge on Frank Road, 2.8 mi upstream from Scioto Big Run, and 5 mi downstream from Olentangy River.

DRAINAGE AREA.--1,629 mi^2.

PERIOD OF RECORD.--October 1920 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 743: 1927(M). WSP 803: 1922-24, 1926-30, 1932-33. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 680.00 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1924, nonrecording gage at site 200 ft upstream at same datum.

REMARKS.--Records good except for winter periods which are fair. Flow regulated by Griggs Reservoir 10.4 mi upstream (see station 03221500), O'Shaughnessy Reservoir 20.4 mi upstream (see station 03220500), and Delaware Lake 35 mi upstream from station. Records include sewage return flow from Frank Road Treatment Plant. Shadeville Treatment Plant flow enters downstream. Water supply for city of Columbus is obtained from Scioto River downstream from Griggs Dam and Big Walnut Creek downstream from Central College. For statement on diversions from Big Walnut Creek, see REMARKS for station 03229500. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--64 years, 1,397 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,200 ft^3/s Jan. 22, 1959, gage height, 27.22 ft, from high-water mark in well, from rating curve extended above 46,000 ft^3/s; minimum daily, 47 ft^3/s Sept. 6, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913 reached a stage of 25.9 ft, discharge, 138,000 ft^3/s, estimated by Franklin County Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,200 ft^3/s Mar. 21, gage height, 19.11 ft; minimum daily, 127 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	318	4920	340	581	790	4260	1470	841	323	197	191
2	139	471	3970	320	531	798	2820	1230	693	295	199	172
3	148	1010	2510	310	1820	822	2250	1500	630	249	210	192
4	157	2020	3580	300	4460	788	2090	2040	553	252	315	191
5	182	2150	5230	290	4510	1050	4950	1240	527	550	257	175
6	182	1820	7250	280	2880	1460	8390	1100	466	309	213	152
7	155	1480	8300	280	1680	2120	8010	985	415	350	277	136
8	138	923	7330	270	1020	2220	6490	1560	390	256	284	150
9	127	772	5620	260	893	1830	4190	1520	356	278	218	149
10	133	995	3690	250	797	1270	2650	1040	313	343	231	319
11	137	2540	2790	250	2320	1280	1980	1060	284	307	379	210
12	138	4250	3660	240	3760	1130	1590	1060	264	280	286	172
13	392	3570	6060	230	4160	1090	1490	916	243	250	243	155
14	318	3870	5640	230	12000	1110	1240	937	399	231	229	228
15	171	3840	5680	220	11900	1300	1130	1150	279	217	216	225
16	143	3390	3230	220	9400	7500	1230	1070	242	217	215	190
17	143	4000	2200	220	7100	12200	2200	573	253	207	219	195
18	240	3900	1600	210	4220	11400	2560	625	253	195	208	153
19	275	4290	1270	210	3020	10500	2460	563	314	181	209	192
20	359	3950	976	210	2730	9460	2320	710	353	196	211	191
21	617	3520	887	210	2460	16300	2030	1390	319	179	202	177
22	834	3240	1220	210	1630	11000	2270	2050	302	173	423	174
23	1240	3160	984	220	1310	8340	3320	4720	270	188	397	170
24	2010	4820	712	300	1150	8090	6310	3320	507	191	232	184
25	2760	4520	499	1200	1100	8570	6630	2670	602	192	216	197
26	2410	3850	460	1580	996	11200	6560	1490	575	195	213	291
27	1330	3360	430	2540	1010	9460	5550	1040	525	224	220	198
28	839	6310	400	2200	1200	8320	4350	1160	456	197	213	171
29	620	6950	380	1870	970	8220	2580	1330	377	194	213	155
30	405	5960	360	1320	---	6350	1560	1320	328	203	208	147
31	344	---	350	849	---	5230	---	1110	---	196	199	---
TOTAL	17225	95249	92188	17639	91608	171228	105460	43949	12329	7628	7552	5602
MEAN	556	3175	2974	569	3159	5523	3515	1418	411	246	244	197
MAX	2760	6950	8300	2540	12000	16300	8390	4720	841	550	423	319
MIN	127	318	350	210	531	788	1130	563	242	173	197	147

CAL YR 1983 TOTAL 483172 MEAN 1324 MAX 12500 MIN 127
WTR YR 1984 TOTAL 667657 MEAN 1824 MAX 16300 MIN 127

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03228500 BIG WALNUT CREEK AT CENTRAL COLLEGE, OH

LOCATION.--Lat 40°06'13", long 82°53'03", T.2 N., R.17 W., Franklin County, Hydrologic Unit 05060001, on right bank at upstream side of county road bridge, 0.2 mi east of Central College, 0.4 mi downstream from Hoover Dam, and 3 mi southeast of Westerville.

DRAINAGE AREA.--190 mi².

PERIOD OF RECORD.--July 1938 to current year.

REVISED RECORDS.--WSP 873: 1938. WSP 1435: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 815.16 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow completely regulated by Hoover Reservoir since September 1954. (see station 03228400). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--46 years, 189 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,800 ft³/s Jan. 21, 1959, gage height, 19.75 ft, from rating curve extended above 7,200 ft³/s on basis of computation of peak flow over Hoover Dam; no flow for many days in 1944 and 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,400 ft³/s May 21, gage height, 9.87 ft; minimum daily, 77 ft³/s Nov. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	100	99	119	113	229	374	142	178	114	163	119
2	112	103	98	123	113	117	390	112	137	128	142	131
3	104	89	102	130	117	107	533	161	133	144	139	114
4	114	107	119	117	336	110	609	1250	127	116	122	112
5	102	102	698	131	368	120	848	488	144	110	106	103
6	104	95	734	117	229	104	1020	279	161	114	131	117
7	110	112	664	117	152	102	918	191	159	113	113	112
8	103	104	499	110	120	104	594	189	159	106	113	122
9	113	109	333	127	123	109	303	350	176	120	127	110
10	112	110	267	117	125	110	104	706	172	112	125	114
11	109	78	247	110	726	109	109	339	163	130	116	113
12	112	90	601	110	677	106	120	191	170	125	117	112
13	95	103	593	122	409	109	119	238	166	155	113	119
14	117	99	412	103	776	112	116	170	127	151	127	109
15	104	109	316	116	548	119	116	168	156	142	136	99
16	107	104	252	106	292	1050	117	141	113	141	144	106
17	110	104	199	130	297	1500	113	125	152	146	142	114
18	100	94	203	103	297	1010	174	123	146	139	136	109
19	103	94	197	125	289	823	287	137	142	141	128	114
20	104	116	159	122	292	1420	240	117	139	149	142	127
21	98	91	154	139	282	2470	181	133	149	156	137	123
22	90	123	166	113	238	2240	178	131	159	199	116	128
23	90	106	144	119	245	1610	1080	436	137	189	116	119
24	109	77	134	128	311	1440	1280	1560	123	165	112	112
25	102	98	158	110	359	1530	913	811	144	127	112	110
26	100	82	201	99	303	1950	548	231	136	122	123	106
27	109	90	197	122	325	1630	289	197	130	120	128	104
28	99	137	137	117	412	1050	460	137	154	112	131	104
29	99	99	128	99	292	481	229	141	152	114	127	100
30	107	94	161	123	---	456	137	308	144	139	131	98
31	110	---	122	109	---	412	---	274	---	136	119	---
TOTAL	3264	3019	8494	3633	9166	22839	12599	9976	4448	4195	3934	3380
MEAN	105	101	274	117	316	737	420	322	148	135	127	113
MAX	117	137	734	139	776	2470	1280	1560	178	199	163	131
MIN	90	77	98	99	113	102	104	112	113	106	106	98

CAL YR 1983 TOTAL 62960 MEAN 172 MAX 2090 MIN 77
WTR YR 1984 TOTAL 88947 MEAN 243 MAX 2470 MIN 77

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03228805 ALUM CREEK AT AFRICA, OH

LOCATION.--Lat 40°11'00", long 82°57'47", in SE 1/4 sec. 1, T.3 N., R.18 W., Delaware County, Hydrologic Unit 05060001, on right bank 400 ft upstream of bridge on Lewis Center Road, 1,200 ft downstream from outlet of Alum Creek dam, 0.3 mi west of Africa, 2.8 mi upstream from Westerville Reservoir outlet, and 4.2 mi northwest of Westerville.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--Water year 1962 (occasional low-flow measurements) June 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft National Geodetic Vertical Datum of 1929. (levels by Corps of Engineers). Oct. 17, 1973 to July 9, 1974 nonrecording gage at bridge 400 ft downstream at same datum. Prior to Oct. 17, 1973 water-stage recorder 600 ft downstream at datum 17.37 ft higher.

REMARKS.--Records fair. Flow regulated by Alum Creek Lake since August 1973. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--9 years (water years 1964-72), 115 ft³/s, 11 years (water years 1974-84), 109 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,160 ft³/s Mar. 10, 1964, gage height, 13.95 ft, from graph based on gage readings, site and datum then in use; no flow at times 1963-65.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 5, 1963 reached a stage of 14.2 ft, from floodmarks, discharge, 6,460 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,450 ft³/s Mar. 24, gage height, 27.03 ft; minimum daily, 4.6 ft³/s Oct. 10, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	91	655	34	87	83	257	296	44	10	11	12
2	5.5	91	331	33	87	83	124	296	22	9.5	11	12
3	5.2	140	98	28	129	83	89	176	22	9.5	11	12
4	5.5	247	104	15	392	83	89	159	22	9.5	11	13
5	6.1	250	415	14	449	83	143	203	23	10	11	13
6	5.2	253	674	14	444	131	206	203	22	12	11	13
7	5.5	250	667	14	434	159	264	82	22	10	11	13
8	5.5	133	661	14	247	257	271	46	18	10	11	13
9	5.2	75	327	14	108	215	392	176	16	10	11	13
10	4.6	76	98	14	65	91	374	257	16	11	11	13
11	4.9	80	98	14	30	91	136	300	15	10	12	12
12	5.8	76	243	14	28	91	92	267	15	11	12	12
13	6.8	76	571	14	224	91	92	129	7.5	11	12	12
14	6.4	164	356	14	699	91	91	76	9.1	11	12	13
15	5.8	247	131	14	686	91	91	44	9.5	11	12	13
16	4.6	247	47	14	693	484	91	34	8.3	10	12	13
17	5.8	253	32	14	479	699	91	33	8.3	14	12	13
18	7.5	253	32	14	237	699	92	33	8.7	8.3	12	12
19	7.1	253	33	14	237	699	92	33	9.1	6.4	12	9.5
20	7.5	253	33	14	237	699	143	35	9.1	8.3	12	9.5
21	7.5	253	33	14	327	271	164	78	9.1	6.4	12	10
22	8.7	253	33	14	365	13	169	181	9.7	14	12	10
23	6.4	257	33	14	206	150	257	292	8.7	15	12	10
24	66	257	33	15	63	913	212	340	9.5	14	12	10
25	181	257	33	14	34	1040	278	335	9.1	13	12	10
26	184	257	32	41	33	521	323	335	9.5	13	12	12
27	181	257	32	87	34	243	319	278	9.5	11	12	11
28	140	315	32	89	36	667	327	212	9.5	11	11	11
29	92	489	34	87	65	667	327	212	10	11	10	11
30	91	661	34	87	---	543	315	131	10	11	11	10
31	91	---	34	85	---	374	---	92	---	11	11	---
TOTAL	1164.6	6764	5969	881	7155	10405	5911	5364	420.2	332.9	357	351.0
MEAN	37.6	225	193	28.4	247	336	197	173	14.0	10.7	11.5	11.7
MAX	184	661	674	89	699	1040	392	340	44	15	12	13
MIN	4.6	75	32	14	28	13	89	33	7.5	6.4	10	9.5

CAL YR 1983 TOTAL 36492.2 MEAN 100 MAX 1780 MIN 3.9
WTR YR 1984 TOTAL 45074.7 MEAN 123 MAX 1040 MIN 4.6

03229000 ALUM CREEK AT COLUMBUS, OH

LOCATION.--Lat 39°56'42", long 82°56'20", in NW 1/4 sec. 24, T.5 N., R.22 W., Franklin County, Hydrologic Unit 05060001, on left bank 0.2 mi downstream from Livingston Avenue bridge in Columbus, and 6 mi upstream from mouth.

DRAINAGE AREA.--189 mi².

PERIOD OF RECORD.--July 1923 to December 1935, January 1938 to current year.

REVISED RECORDS.--WSP 758: 1933. WSP 1305: 1928(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 733.69 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated by Alum Creek Lake 19 mi upstream, since Aug. 1973. Water-quality data collected at this site 1960 to 1977. Sediment data collected 1960 to 1965.

AVERAGE DISCHARGE.--58 years, 173 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft³/s Jan. 22, 1959, gage height, 19.59 ft (from high-water mark in well), from rating curve extended above 17,000 ft³/s on basis of contracted-opening measurement of peak flow; no flow Sept. 21-29, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,690 ft³/s Mar. 21, gage height, 9.00 ft; minimum daily, 7.0 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	101	872	47	152	134	425	355	115	22	14	16
2	7.5	149	834	49	168	134	232	355	60	24	14	20
3	7.0	320	179	55	594	144	160	621	55	18	26	18
4	29	296	951	38	676	134	306	573	51	23	64	23
5	82	306	542	36	594	292	448	310	49	125	32	15
6	32	292	1080	34	568	335	512	274	47	39	25	14
7	13	287	985	32	542	310	454	215	43	53	35	13
8	9.9	261	928	29	287	325	386	212	39	23	39	12
9	8.1	79	872	27	131	443	431	232	35	28	22	13
10	8.1	168	187	26	155	168	557	278	28	32	20	71
11	8.6	578	179	25	381	155	252	355	26	20	38	23
12	9.2	183	408	25	157	147	131	381	24	18	24	15
13	65	110	665	24	478	171	149	212	24	17	18	13
14	58	110	791	24	1350	196	152	105	53	17	16	38
15	17	350	287	24	974	296	149	91	23	16	14	30
16	12	408	134	24	923	1230	147	58	20	15	14	19
17	9.2	381	73	24	850	1110	171	57	19	15	13	16
18	30	320	65	24	360	1030	168	57	20	17	12	15
19	55	310	64	24	355	968	152	60	32	17	12	14
20	62	325	58	24	345	1550	157	215	22	11	11	13
21	125	320	60	24	392	2810	208	320	17	12	11	11
22	287	296	175	25	502	397	431	200	14	11	108	11
23	292	443	149	36	403	223	537	889	12	11	53	11
24	69	532	79	386	171	940	764	527	119	18	19	14
25	196	345	68	310	95	1550	502	448	36	19	15	17
26	204	310	60	130	82	1460	431	443	22	22	14	62
27	183	306	54	132	76	171	437	386	19	33	13	22
28	179	1250	50	120	79	1060	403	414	17	22	12	17
29	98	648	48	122	82	1210	392	350	15	18	12	17
30	88	906	45	130	---	900	392	232	13	17	15	16
31	85	---	44	145	---	537	---	134	---	15	35	---
TOTAL	2336.1	10690	10986	2175	11922	20530	10136	9359	1070	748	770	609
MEAN	75.4	356	354	70.2	411	662	338	302	35.7	24.1	24.8	20.3
MAX	292	1250	1080	386	1350	2810	764	889	119	125	108	71
MIN	7.0	79	44	24	76	134	131	57	12	11	11	11

CAL YR 1983 TOTAL 66514.0 MEAN 182 MAX 2080 MIN 7.0
WTR YR 1984 TOTAL 81331.1 MEAN 222 MAX 2810 MIN 7.0

03229500 BIG WALNUT CREEK AT REES, OH

LOCATION.--Lat 39°51'24", long 82°57'26", in NE 1/4 sec. 26, T.4 N., R.22 W., Franklin County, Hydrologic Unit 05060001, on right bank at downstream side of bridge on Reese Road, 0.5 mi southwest of Rees, 4.2 mi downstream from Alum Creek, and 10.5 mi upstream from mouth.

DRAINAGE AREA.--544 mi².

PERIOD OF RECORD.--August 1921 to December 1935, October 1938 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1053: 1929, 1933(M), 1945. WSP 1305: 1923(M), 1925-26(M).

GAGE.--Water-stage recorder. Datum of gage is 698.20 ft National Geodetic Vertical Datum of 1929. Aug. 18, 1921, to Oct. 23, 1927, nonrecording gage at site 0.3 mi upstream at datum 2.00 ft higher prior to Oct. 1, 1924, at present datum thereafter.

REMARKS.--Records good. Flow regulated by Hoover Reservoir 26 mi upstream (see station 03228400) and Alum Creek Lake 30 mi upstream since August 1973. Beginning June 15, 1956, diversion at Morse Road Treatment Plant, 21 mi upstream from station, for municipal water supply for the city of Columbus. Water-quality data collected at this site 1964 to 1977.

AVERAGE DISCHARGE.--60 years, 522 ft³/s (adjusted for diversion).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,800 ft³/s Jan. 22, 1959, gage height, 22.03 ft (from high-water mark in well), from rating curve extended above 13,000 ft³/s on basis of contracted-opening measurement of peak flow; minimum, 5 ft³/s Sept. 4, 5, 10-12, 1925; minimum daily since 1956, 9.4 ft³/s Sept. 13, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913 reached a stage of 20.5 ft, present datum, at site 0.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft³/s Mar.21, gage height, 13.51 ft; minimum daily, 24 ft³/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	151	1130	118	173	377	859	497	302	80	45	55
2	24	169	1030	116	210	309	607	472	197	117	44	56
3	26	521	990	114	1070	248	607	636	160	140	48	58
4	38	617	464	111	1240	237	955	2060	140	119	162	97
5	187	485	2640	110	1040	514	1690	1260	130	406	178	51
6	112	406	1630	108	826	1010	1900	740	147	218	75	52
7	47	377	2050	102	665	660	1610	571	138	218	72	44
8	34	359	1910	98	437	535	1150	645	127	108	151	40
9	29	290	1540	92	262	535	931	1100	114	87	78	39
10	27	153	1340	87	226	352	640	859	103	125	56	125
11	26	783	735	82	1110	290	421	645	99	93	65	105
12	28	1310	566	80	1090	251	231	645	106	72	72	51
13	71	480	1160	78	937	271	251	510	92	54	52	49
14	183	296	1380	74	3160	349	242	322	140	61	52	59
15	63	286	1420	71	1980	535	271	257	106	71	47	86
16	42	584	848	70	1360	2260	242	192	84	51	41	63
17	35	735	531	68	1240	3100	429	166	89	55	39	46
18	45	660	363	66	815	2240	433	149	80	55	37	41
19	173	497	293	64	740	1840	468	140	91	54	35	39
20	80	456	271	63	675	2150	429	183	94	50	34	39
21	395	476	245	63	636	8940	399	1080	84	53	33	37
22	220	476	218	64	715	3980	842	549	78	48	42	36
23	1260	433	437	68	621	2340	1870	2230	72	55	197	41
24	425	725	391	735	429	2230	2780	2090	205	83	83	37
25	325	875	245	1340	437	2910	1670	831	160	72	56	41
26	325	535	166	448	381	4360	1260	631	98	77	48	101
27	283	448	147	352	366	1950	931	562	83	91	45	77
28	262	485	128	268	391	2550	892	645	74	72	43	48
29	223	3170	122	239	421	2410	777	949	69	57	41	41
30	155	1220	121	207	---	1530	612	675	60	53	44	38
31	151	---	120	197	---	1050	---	391	---	47	114	---
TOTAL	5320	18558	24631	5753	23653	52313	26299	22682	3522	2972	2129	1722
MEAN	172	619	795	186	816	1688	877	732	117	95.9	68.7	57.4
MAX	1260	3170	2640	1340	3160	8940	2780	2230	302	406	197	125
MIN	24	151	120	63	173	237	231	140	60	47	33	36
(+)	122	115	116	121	112	110	108	110	136	131	127	115

CAL YR 1983 TOTAL 152815 MEAN 419 MAX 4890 MIN 24 (+) 119
WTR YR 1984 TOTAL 189554 MEAN 518 MAX 8940 MIN 24 (+) 119

BEST COPY AVAILABLE

03230500 BIG DARBY CREEK AT DARBYVILLE, OH

LOCATION.--Lat 39°42'02", long 83°06'37", Pickaway County, Hydrologic Unit 05060001, on right bank on downstream side of bridge on State Highway 316, 0.4 mi northeast of Darbyville, 0.4 mi upstream from Lizzard Run, and 3.0 mi downstream from Greenbrier Creek.

DRAINAGE AREA.--534 mi².

PERIOD OF RECORD.--October 1921 to December 1935, January 1938 to current year. Prior to October 1959, published as Darby Creek at Darbyville.

REVISED RECORDS.--WSP 1083: 1922(M), 1924(M), 1927(M), 1933(M), 1938(M). WSP 1305: 1928-31(M), 1934(M), 1945(M). WSP 1505: 1932(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 713.69 ft National Geodetic Vertical Datum of 1929. Prior to Mar. 17, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods and periods of no gage height record, Nov. 12 to Dec. 20, which are fair. Water-quality data collected at this site 1964 to 1977. Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--60 years, 454 ft³/s, 11.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,000 ft³/s Jan. 22, 1959, gage height, 17.94 ft from rating curve extended above 22,000 ft³/s on basis of contracted-opening measurement of peak flow; minimum observed, 1.4 ft³/s Sept. 17, 1932.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 15	0930	4720	9.04	Mar. 22	0700	*6250	*10.46
Mar. 17	2300	5850	10.16	Apr. 6	0730	4560	8.86

Minimum discharge, 17 ft³/s Oct. 2-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	92	1600	90	172	240	1020	432	412	95	46	25
2	18	87	1200	88	211	250	946	368	350	86	46	24
3	17	114	1000	86	846	233	724	422	307	111	44	23
4	19	124	1400	84	2090	215	1060	1190	266	99	45	24
5	22	274	2000	83	1560	269	2950	903	235	198	56	23
6	23	211	2700	82	708	489	4160	692	211	172	59	23
7	23	159	3000	81	399	736	2490	579	192	301	56	22
8	24	133	2400	80	277	720	1530	656	174	223	81	22
9	24	116	2000	79	290	452	1120	782	159	152	79	21
10	24	118	1400	78	253	412	985	633	147	131	65	20
11	23	561	1100	78	816	458	729	503	133	106	84	22
12	22	2100	1500	77	1880	344	517	452	124	92	75	24
13	28	1150	2400	77	1360	330	557	393	114	91	111	24
14	46	1300	1900	76	3130	378	517	356	111	73	89	28
15	62	1200	1400	76	4150	575	482	312	113	69	67	40
16	66	1100	1000	76	1940	2460	475	279	125	65	56	35
17	59	1300	760	76	1410	5200	528	253	113	59	48	31
18	59	1300	550	75	1140	3900	931	238	107	55	45	30
19	58	1500	420	75	986	2050	794	223	102	54	45	28
20	54	1300	332	75	850	1890	584	216	135	51	40	27
21	76	1200	347	75	692	5050	579	409	157	30	38	26
22	129	1100	399	75	568	5800	769	642	169	50	36	21
23	368	1300	301	75	479	3170	1300	1220	141	48	37	24
24	617	1700	170	306	425	2970	1710	1260	143	45	40	24
25	500	1500	124	939	387	1770	1440	877	271	44	36	24
26	330	1300	120	912	338	2870	1000	613	335	44	34	24
27	221	1100	110	1020	327	2970	769	462	211	45	30	23
28	168	2200	105	799	344	1980	556	403	151	45	27	26
29	135	2400	100	493	282	2240	542	550	124	45	26	26
30	114	1800	97	312	---	1710	472	664	104	45	26	27
31	102	---	94	218	---	1290	---	521	---	45	25	---
TOTAL	3450	29839	32029	6810	28310	52532	32285	17703	5436	2769	1592	751
MEAN	111	995	1033	220	976	1695	1076	571	181	89.3	51.4	25.4
MAX	617	2400	3000	1020	4150	5800	4160	1260	412	301	111	40
MIN	17	87	94	75	172	216	472	216	102	44	25	20
CFSM	.21	1.86	1.93	.41	1.83	3.17	2.02	1.07	.34	.17	.10	.05
IN.	.24	2.08	2.23	.47	1.97	3.66	2.25	1.23	.38	.19	.11	.05

CAL YR 1983 TOTAL 175156 MEAN 480 MAX 5980 MIN 17 CFSM .90 IN 12.20
WTR YR 1984 TOTAL 213516 MEAN 583 MAX 5800 MIN 17 CFSM 1.09 IN 14.87

BEST COPY AVAILABLE

03230900 DEER CREEK NEAR PANCOASTBURG, OH

LOCATION.--Lat 39°37'14", long 83°12'47", Pickaway County, Hydrologic Unit 05060002, on left bank 200 ft downstream from bridge on Crownover Mill Road, 1,200 ft downstream from Deer Creek Dam, and 2.8 mi east of Pancoastburg.

DRAINAGE AREA.--277 mi^2.

PERIOD OF RECORD.--Water years 1964-66 (Occasional low-flow measurements and annual maximums), July 1966 to current year.

REVISED RECORDS.--WRD Ohio 1972: 1971.

GAGE.--Water-stage recorder. Datum of gage is 768.00 ft Corps of Engineers bench mark. Oct. 23, 1963, to June 30, 1966, crest-stage gage at site 200 ft upstream at datum 8.16 ft lower. July 1, 1966 to Sept. 30, 1983 at datum 68.00 ft lower.

REMARKS.--Records good. Flow regulated by Deer Creek Lake. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--18 years 268 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,500 ft^3/s (estimated) Mar. 10, 1964, gage height, 12.93 ft, present datum; no flow May 25-27, 1968, result of dam closure.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft^3/s Mar. 17, gage height, 4.81 ft; minimum daily, 11 ft^3/s Aug. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	197	1380	90	120	135	814	179	222	57	15	13
2	14	197	962	90	73	135	763	166	168	55	12	13
3	14	194	590	90	498	135	645	166	166	55	12	13
4	14	194	594	92	740	135	546	531	135	55	13	13
5	98	194	1020	111	735	135	840	754	100	55	12	13
6	146	194	1370	118	614	222	1250	749	100	55	12	13
7	142	194	1350	92	351	304	1400	594	100	55	39	13
8	137	191	1310	94	200	401	1170	531	100	55	52	13
9	137	191	777	94	197	319	522	531	100	96	52	13
10	135	191	436	94	168	166	476	445	98	155	52	13
11	137	191	432	72	158	166	311	347	71	155	52	13
12	137	191	740	60	163	296	260	343	50	116	52	13
13	137	194	1080	55	489	296	315	304	53	55	52	13
14	171	327	786	55	1210	216	335	197	53	55	40	13
15	194	436	494	55	1430	179	335	168	53	57	24	13
16	194	432	414	55	1390	950	209	168	53	55	24	13
17	194	427	292	55	1050	1520	160	168	53	30	24	13
18	194	423	246	66	620	1540	209	137	30	19	24	13
19	194	418	246	80	614	1510	191	127	20	19	24	13
20	194	410	200	52	517	1440	264	130	21	19	24	13
21	191	323	203	40	388	47	264	132	20	19	24	13
22	191	177	239	40	253	21	335	200	31	19	24	13
23	331	177	239	40	239	21	536	351	50	19	24	13
24	401	179	209	40	197	687	861	599	127	19	24	13
25	397	311	100	645	177	1410	852	546	250	19	24	13
26	285	536	66	754	177	1400	536	384	250	19	23	13
27	200	526	111	498	160	1390	397	289	250	19	23	13
28	200	531	179	436	135	1320	359	177	163	19	15	13
29	200	1130	222	200	135	1050	257	177	82	19	11	13
30	197	1390	166	179	---	1310	226	308	55	18	11	13
31	197	---	92	158	---	823	---	355	---	18	12	---
TOTAL	5387	10666	16545	4600	13198	19679	15638	10253	3024	1480	826	390
MEAN	174	356	534	148	455	635	521	331	101	47.7	26.6	13.0
MAX	401	1390	1380	754	1430	1540	1400	754	250	155	52	13
MIN	14	177	66	40	73	21	160	127	20	18	11	13

CAL YR 1983 TOTAL 83243 MEAN 228 MAX 1760 MIN 10
WTR YR 1984 TOTAL 101686 MEAN 278 MAX 1540 MIN 11

03231000 DEER CREEK AT WILLIAMSPORT, OH

LOCATION.--Lat 39°35'09", long 83°07'22", Pickaway County, Hydrologic Unit 05060002, on left bank at downstream side of bridge on U.S. Highway 22 at west edge of Williamsport, 2.0 mi downstream from Dry Run, and 7.6 mi upstream from Hay Run.

DRAINAGE AREA.--333 mi² .

PERIOD OF RECORD.--August 1926 to December 1935, January 1938 to September 1956, water years 1959, 1961-62, annual maximum. July 1962 to current year.

REVISED RECORDS.--WSP 1083: 1929. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 718.66 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 29, 1940, nonrecording gage, and Feb. 29, 1940, to Aug. 24, 1954, water-stage recorder, same site at datum 3.00 ft higher. Aug. 24, 1954 to Sept. 30, 1956, nonrecording gage at same site and datum. Oct. 1, 1958, to June 1962, crest-stage gage at site 120 ft downstream at same datum.

REMARKS.--Records good. Flow regulated by Deer Creek Lake 9.0 mi upstream beginning in 1968. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--49 years (1926-35, 1938-56, 1962-84), 301 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,600 ft³/s Jan. 22, 1959, gage height, 17.6 ft (from floodmarks), from rating curve extended above 25,000 ft³/s on basis of contracted-opening measurement of peak flow; minimum daily, 1.8 ft³/s July 25, 1934, Oct. 1-4, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,360 ft³/s Mar. 21, gage height, 9.15 ft; minimum daily, 7.9 ft³/s Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	223	1640	205	110	162	969	217	295	58	18	10
2	7.9	220	1260	181	90	158	909	186	196	66	16	11
3	7.9	235	741	170	400	158	792	208	187	55	14	13
4	11	238	1320	142	900	158	713	554	170	57	17	17
5	57	228	1230	135	960	158	940	856	117	57	28	20
6	147	223	1810	157	700	258	1500	875	104	56	28	18
7	147	218	1720	150	430	401	1700	743	103	55	29	18
8	147	218	1610	136	350	458	1200	692	102	52	75	17
9	147	218	1080	123	240	448	700	668	102	74	66	17
10	147	220	586	119	180	223	500	530	101	158	66	19
11	147	287	594	80	150	218	370	393	85	158	64	19
12	147	322	902	66	300	308	305	376	54	141	56	17
13	154	271	1330	66	560	342	339	341	57	60	56	17
14	174	293	1130	66	1100	321	371	236	57	58	55	18
15	210	474	699	66	1700	363	362	188	56	58	28	18
16	210	559	526	68	1620	1290	273	184	55	60	26	15
17	210	552	392	68	1380	1870	193	183	56	49	25	14
18	215	518	293	78	760	1830	219	165	55	21	26	14
19	215	503	287	94	739	1760	209	144	30	20	25	14
20	215	492	272	70	608	1940	277	140	42	20	25	13
21	228	439	213	56	489	1510	279	141	99	20	24	12
22	257	238	270	48	312	374	585	161	57	19	28	12
23	474	268	249	48	283	270	1040	425	88	19	28	11
24	526	375	270	56	250	621	1250	630	199	19	24	11
25	489	379	196	500	216	1710	1140	681	304	19	24	12
26	389	646	143	900	209	1820	741	421	285	19	24	12
27	241	633	177	640	203	1670	487	358	276	19	24	11
28	233	1760	259	450	177	1940	441	261	216	19	23	11
29	225	1470	427	270	166	1570	306	279	111	19	13	12
30	223	1720	446	180	---	1590	261	320	71	19	11	11
31	220	---	243	130	---	1030	---	399	---	17	11	---
TOTAL	6229.2	14440	22315	5518	15582	26929	19371	11955	3733	1611	977	433
MEAN	201	481	720	178	537	869	646	386	124	52.0	31.5	14.4
MAX	526	1760	1810	900	1700	1940	1700	875	304	158	75	20
MIN	7.9	218	143	48	90	158	193	140	30	17	11	10

CAL YR 1983 TOTAL 115712.7 MEAN 317 MAX 2260 MIN 7.5
WTR YR 1984 TOTAL 129093.2 MEAN 353 MAX 1940 MIN 7.9

03231500 SCIOTO RIVER AT CHILLICOTHE, OH

LOCATION.--Lat 39°20'29", long 82°58'16", Ross County, Hydrologic Unit 05060002, on right bank at north end of Chillicothe, 1,400 ft downstream from Bridge Street bridge, 7.4 mi upstream from Paint Creek, and 15.4 mi downstream from Deer Creek.

DRAINAGE AREA.--3,849 mi².

PERIOD OF RECORD.--December 1913 to September 1914 (gage heights and discharge measurements only). October 1920 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected in this vicinity since 1907 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 803: 1929(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 594.05 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1914, nonrecording gage at site 1,300 ft upstream of different datum. Apr. 1, 1921, to Aug. 6, 1930, nonrecording gage, at site 1,400 ft upstream at present datum. Aug. 7, 1930, to Sept. 30, 1969, water-stage recorder 900 ft upstream at same datum.

REMARKS.--Records good except those for winter period, which are fair. Flow regulated by 6 reservoirs 36 mi to 91 mi upstream from station (see stations 03220500, 03221500, 03225000, 03228400, 03228850, 03230890).

AVERAGE DISCHARGE.--64 years, 3,448 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s Jan. 23, 1959, gage height, 32.5 ft, (from high-water mark in well); minimum daily, 166 ft³/s Sept. 27, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913 reached a stage of 39.8 ft, discharge, 260,000 ft³/s (estimated by Franklin County Conservancy District).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,600 ft³/s Mar. 28, gage height, 14.34 ft; minimum daily, 394 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	1120	11900	1600	1970	2500	11100	4090	3510	977	570	505
2	415	1050	9980	1500	1630	2300	9080	3570	2730	925	570	505
3	394	1330	7640	1300	2780	2220	6880	3280	2330	946	562	475
4	430	2550	8810	1200	6590	2150	6730	5460	2090	935	570	475
5	498	3400	14200	1200	10200	2580	10900	7470	1950	956	874	492
6	853	3420	14400	1200	8340	5700	15900	5440	1720	1670	967	498
7	794	2900	15000	1100	5530	6070	18000	4770	1620	1250	710	475
8	647	2450	15300	1000	3650	5750	16400	4430	1500	1360	756	445
9	578	1880	13100	960	2630	5250	12300	6420	1390	1050	1210	423
10	537	1620	10000	920	2350	4070	8660	5560	1320	988	814	408
11	521	2960	7380	900	2430	3270	6210	4130	1220	1100	814	529
12	545	7430	7250	900	7150	3080	4750	3770	1130	1040	1080	638
13	562	7870	10400	880	8250	2900	4030	3630	1080	914	874	505
14	728	5840	11900	860	12500	3250	3910	3120	1020	804	775	459
15	1030	5920	10300	860	18000	3830	3510	2750	1150	756	682	545
16	785	6320	7920	840	20300	7290	3420	2710	1090	756	629	612
17	691	6600	5990	840	17100	15300	3510	2480	988	737	604	521
18	701	7150	4300	820	12200	20300	5250	1970	967	692	595	457
19	775	6570	3470	820	8300	21000	6190	1870	967	647	587	459
20	1040	6570	2940	810	6830	18500	5700	1770	977	621	554	445
21	1380	6090	2530	800	5970	24200	5110	2370	1210	621	537	437
22	1770	5370	2760	800	5020	29300	6240	3750	1130	604	529	437
23	3510	5000	3510	780	3970	33200	11300	5700	1090	570	665	430
24	4240	6600	2850	780	3470	23200	13400	11500	1190	545	946	437
25	4690	9050	1840	7940	3030	17200	15200	8900	1590	587	665	437
26	4580	7870	1400	5890	2390	17600	13400	5800	1810	629	587	452
27	3630	6600	1200	5090	2660	20700	11400	4010	1660	656	537	521
28	2370	10900	1600	5230	2710	20900	9550	3470	1470	656	529	545
29	1810	16200	2500	4190	2830	21000	7730	7360	1240	629	537	475
30	1500	16000	2200	3300	---	20500	5300	5800	1080	595	505	430
31	1220	---	1900	2550	---	15100	---	4490	---	587	498	---
TOTAL	43632	174630	216470	57860	193280	380210	261060	141840	44119	25793	21332	14472
MEAN	1407	5821	6983	1866	6665	12260	8702	4575	1471	832	688	482
MAX	4690	16200	15300	7940	20300	33200	18000	11500	3510	1670	1210	638
MIN	394	1050	1200	780	1630	2150	3420	1770	967	545	498	408

CAL YR 1983 TOTAL 1230161 MEAN 3370 MAX 33600 MIN 379
WTR YR 1984 TOTAL 1574698 MEAN 4302 MAX 33200 MIN 394

03232470 PAINT CREEK BELOW PAINT CREEK DAM, NEAR BAINBRIDGE, OH

LOCATION.--Lat 39°15'08", long 83°20'58", Highland County, Hydrologic Unit 05060003, on right bank, 400 ft downstream from Paint Creek dam, 700 ft upstream from Cliff Creek, and 4.5 mi northwest of Bainbridge.

DRAINAGE AREA.--570 mi² .

PERIOD OF RECORD.-- Water years 1962-67, (occasional low-flow measurements), water years 1963-67 (annual maximums). Published as "at damsite near Bainbridge" 1963-67, October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft National Geodetic Vertical Datum of 1929. (levels by Corps of Engineers). Prior to May 3, 1968, water-stage recorder and crest-stage gage at partial-record site 1,000 ft downstream at datum 42.96 ft higher.

REMARKS.--Records good. Flow regulated by Paint Creek Lake (see station 03232460). Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--17 years, 578 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 45,000 ft³/s Mar. 10, 1964, gage height, 27.3 ft, site and datum then in use; minimum daily, 4.7 ft³/s Sept. 1, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,730 ft³/s Mar. 31, gage height, 52.78 ft; minimum daily, 13 ft³/s Aug. 31, Sept. 1, 2, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	723	2810	297	205	259	3610	422	1140	37	15	13
2	47	723	1590	170	205	202	3380	575	1130	45	15	13
3	47	607	924	202	1150	292	1540	437	1110	143	15	14
4	48	463	1870	294	2110	282	1140	788	696	199	20	13
5	48	460	2560	346	1310	795	1830	1030	390	171	21	14
6	48	456	2480	246	762	1920	1990	1100	210	157	28	14
7	51	449	1860	262	428	1620	1980	1100	147	179	107	14
8	48	441	1250	292	231	973	1620	1360	144	157	178	14
9	51	429	985	232	305	823	1190	1870	142	147	549	15
10	51	278	1030	211	340	803	925	1290	142	141	685	15
11	48	234	825	147	667	354	747	683	120	227	563	15
12	51	282	1150	121	1250	348	651	663	108	202	440	16
13	48	397	1350	121	1310	678	536	759	90	53	59	17
14	48	411	1220	123	2520	688	438	472	88	33	54	16
15	48	403	935	124	2660	956	451	267	87	54	34	16
16	48	444	895	124	2530	1940	506	244	92	65	29	16
17	115	487	662	124	2430	2510	567	298	96	61	29	17
18	162	385	508	124	1570	2480	496	379	108	61	24	17
19	228	339	512	124	973	2400	374	386	160	63	22	17
20	256	360	344	123	893	1890	419	263	110	56	26	17
21	957	304	370	122	571	968	433	228	192	50	30	17
22	1330	312	677	121	473	22	813	216	209	35	47	17
23	1890	354	613	65	643	21	1750	738	361	36	172	18
24	2080	741	341	990	433	941	2580	1150	269	31	211	18
25	2110	1150	208	2180	361	2780	2800	1020	152	32	93	18
26	2090	1180	208	1580	371	2800	2780	677	326	34	48	18
27	1190	1160	209	1060	362	2790	1630	424	384	36	28	17
28	687	2170	301	969	421	2580	844	629	117	30	16	17
29	698	3280	521	567	432	1030	590	1130	40	20	16	17
30	716	3230	662	282	---	2580	319	1190	41	23	15	17
31	715	---	516	205	---	3620	---	1180	---	15	13	---
TOTAL	16001	22652	30386	11948	27916	42345	39029	22968	8401	2603	3602	477
MEAN	516	755	980	385	963	1366	1301	741	280	84.0	116	15.9
MAX	2110	3280	2810	2180	2660	3620	3610	1870	1140	227	685	18
MIN	47	234	208	65	205	21	319	216	40	15	13	13

CAL YR 1983 TOTAL 216514.7 MEAN 593 MAX 4920 MIN 8.7
WTR YR 1984 TOTAL 228328.0 MEAN 624 MAX 3620 MIN 13

03232500 ROCKY FORK NEAR BARRETTS MILLS, OH

LOCATION.--Lat 39°13'06", long 83°23'08", Highland County, Hydrologic Unit 05060003, on left bank at downstream side of highway bridge, 1.1 mi north of Barretts Mills, 2 mi east of Rainsboro, 2.8 mi upstream from mouth, and 6 mi downstream from Rocky Fork Lake.

DRAINAGE AREA.--140 mi² .

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 770.8 ft National Geodetic Vertical Datum of 1929, (levels by Corps of Engineers). Prior to Feb. 15, 1940, nonrecording gage at same site and datum.

REMARKS.--Records fair. Some diurnal fluctuation caused by mill 6 mi upstream from station. Flow regulated by Rocky Fork Lake 6 mi upstream, since 1952, capacity, 34,100 acre-ft. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--45 years, 154 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,400 ft³/s Mar. 10, 1964 from rating curve extended above 8,800 ft³/s on basis of velocity-area studies; maximum gage height, 15.56 ft Mar. 6, 1945; minimum daily discharge, 0.90 ft³/s Sept. 10, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,000 ft³/s Nov. 28, gage height, 6.50 ft; minimum daily, 7.0 ft³/s Oct. 7-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	84	860	80	130	136	370	143	234	17	14	11
2	7.4	76	640	68	92	132	292	125	146	16	14	12
3	7.4	91	440	70	113	134	256	161	126	16	14	13
4	12	96	660	74	196	131	344	244	104	16	15	14
5	16	90	860	76	214	306	677	237	92	33	16	13
6	8.6	82	740	52	175	377	805	211	80	53	15	13
7	7.0	74	580	26	144	312	554	167	70	74	14	12
8	7.0	67	430	17	125	271	396	295	62	56	15	12
9	7.0	61	340	16	117	219	313	312	54	45	15	12
10	7.0	50	290	16	117	190	264	252	48	39	21	14
11	7.0	82	280	15	136	182	228	217	44	38	80	13
12	8.2	88	260	15	144	165	196	199	39	41	107	13
13	15	78	223	14	217	181	172	171	38	33	79	13
14	16	73	212	14	590	199	82	155	35	28	56	17
15	11	79	204	14	462	196	97	136	29	26	42	15
16	8.6	118	195	14	349	229	107	118	26	31	33	13
17	7.8	137	191	14	280	225	139	105	25	24	26	13
18	32	130	190	14	236	223	163	99	24	21	35	13
19	45	220	187	14	212	209	168	93	29	18	34	13
20	156	244	188	14	180	357	165	86	30	16	26	13
21	1300	154	193	14	159	1080	172	80	36	16	20	13
22	1000	36	229	15	142	838	866	78	35	15	17	13
23	1200	91	197	25	133	604	1210	341	32	15	17	13
24	800	260	160	274	125	435	1000	262	32	15	15	19
25	580	235	78	226	123	390	645	198	28	15	13	16
26	399	287	70	263	116	365	451	174	24	16	12	14
27	262	291	70	221	116	308	288	144	22	17	12	14
28	204	1670	84	181	147	697	198	341	20	15	12	14
29	155	1200	120	157	146	1230	173	757	19	15	12	15
30	121	1000	160	144	---	780	171	466	18	15	12	15
31	104	---	100	134	---	509	---	324	---	14	12	---
TOTAL	6518.8	7244	9431	2291	5436	11610	10962	6691	1601	809	825	408
MEAN	210	241	304	73.9	187	375	365	216	53.4	26.1	26.6	13.6
MAX	1300	1670	860	274	590	1230	1210	757	234	74	107	19
MIN	7.0	36	70	14	92	131	82	78	18	14	12	11

CAL YR 1983 TOTAL 66925.6 MEAN 183 MAX 3460 MIN 6.1
WTR YR 1984 TOTAL 63826.8 MEAN 174 MAX 1670 MIN 7.0

03234000 PAINT CREEK NEAR BOURNEVILLE, OH

LOCATION.--Lat 39°15'49", long 83°10'01", Ross County, Hydrologic Unit 05060003, on upstream side of left abutment of highway bridge, 0.2 mi downstream from Sulfur Lick, 1.2 mi southwest of Bourneville, and 1.2 mi upstream from Upper Twin Creek.

DRAINAGE AREA.--807 mi^2.

PERIOD OF RECORD.--October 1921 to January 1937, January 1938 to current year. Monthly discharge only for some periods, published in WSP 1305. Published as "at Bainbridge" October 1921 to September 1923 and as "near Bainbridge" January 1938 to May 1939.

REVISED RECORDS.--WRD Ohio 1972: 1971.

GAGE.--Water-stage recorder. Datum of gage is 665.56 ft National Geodetic Vertical Datum of 1929. See WSP 1725 for history of changes prior to May 3, 1939.

REMARKS.--Records fair, except those for winter periods which are poor. Flow regulated by Paint Creek Lake 17 mi upstream since 1971, capacity 145,000 acre-ft and Rocky Fork Lake 23 mi upstream since 1952, capacity, 34,100 acre-ft. Water-quality data collected at this site 1965 to 1977. Sediment data 1956 to 1962.

AVERAGE DISCHARGE.--61 years (1921-36, 1939-84), 805 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,900 ft^3/s Mar. 10, 1964, gage height, 20.50 ft, from rating curve extended above 30,000 ft^3/s on basis of contracted-opening measurement at gage height 20.08 ft; minimum daily, 5 ft^3/s Oct. 29, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,010 ft^3/s Mar. 21, gage height, 8.94 ft; minimum daily, 40 ft^3/s Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	843	4260	400	341	484	4580	544	1560	109	70	47
2	58	843	2590	280	344	371	4450	706	1420	107	69	45
3	58	812	1500	320	1010	406	2670	729	1360	122	69	47
4	64	740	2970	440	2680	440	1910	1090	1060	226	69	52
5	78	640	3960	450	1920	1180	3260	1410	549	215	90	47
6	56	620	3740	390	1130	2830	3860	1490	378	231	84	46
7	65	600	3180	320	668	2450	3250	1480	285	251	93	44
8	64	569	2130	300	410	1620	2710	1870	260	254	184	43
9	61	544	1480	270	414	1150	1900	2670	248	215	317	42
10	64	448	1560	250	444	1100	1560	2040	237	207	651	42
11	61	375	1360	230	625	776	1200	1200	228	207	559	43
12	64	390	1560	220	1510	493	1010	874	191	301	559	41
13	69	475	1870	174	1580	862	868	1050	186	179	251	40
14	76	520	1820	172	3860	973	641	788	176	116	151	45
15	68	525	1280	169	3810	1260	589	502	172	105	132	52
16	65	584	1320	169	3500	2140	646	402	167	136	109	44
17	66	706	960	167	3250	3160	741	398	169	128	97	42
18	174	620	735	167	2440	3170	782	444	165	124	99	42
19	215	609	706	165	1360	3060	579	461	212	122	93	41
20	297	690	630	186	1240	2790	630	406	181	120	87	41
21	2000	635	479	189	907	4620	551	331	229	118	82	42
22	2440	378	980	186	609	1580	2000	317	234	109	81	42
23	3340	436	987	153	735	1110	3470	1110	327	92	107	43
24	3750	874	560	1010	641	1140	4350	1600	310	92	263	50
25	3480	1610	320	2890	484	3680	4170	1390	240	99	134	55
26	3150	1670	300	2040	479	3790	3860	1050	260	92	105	51
27	2320	1730	300	1480	475	3680	2760	646	359	99	84	46
28	980	4480	450	1230	554	4260	1310	887	263	97	64	45
29	907	5460	760	776	625	3390	940	2610	128	89	56	45
30	887	4710	940	475	---	3800	625	1980	115	76	53	45
31	849	---	740	355	---	4840	---	1760	---	78	51	---
TOTAL	25886	34136	46427	16023	38045	66605	62172	34235	11668	4506	4913	1350
MEAN	835	1138	1498	517	1312	2149	2072	1104	389	145	158	45.0
MAX	3750	5460	4260	2890	3860	4840	4580	2670	1560	301	651	55
MIN	56	375	300	153	341	371	589	317	115	76	51	40

CAL YR 1983 TOTAL 336784 MEAN 923 MAX 6400 MIN 30
WTR YR 1984 TOTAL 345966 MEAN 945 MAX 5460 MIN 40

BEST COPY AVAILABLE

03234500 SCIOTO RIVER AT HIGBY, OH
(National stream quality accounting network station)

LOCATION.--Lat 39°12'44", long 82°51'50", in sec. 6, T.7 N., R.20 W., Ross County, Hydrologic Unit 05060002, on left bank at downstream side of highway bridge, 0.8 mi downstream from Walnut Creek, 1.2 mi north of Higby, 3 mi northwest of Richmondale and 5.0 mi upstream from Salt Creek.

DRAINAGE AREA.--5,131 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 893: 1937(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 567.28 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods and those below 540 cfs, which are fair. Flow slightly regulated by 8 reservoirs 45 mi to 105 mi upstream from station.

AVERAGE DISCHARGE.--54 years, 4,594 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177,000 ft³/s Jan. 23, 1937, from rating curve extended above 112,000 ft³/s; maximum gage height, 26.4 ft Jan. 23, 1937, from floodmarks, and Jan. 23, 1959; minimum daily discharge, 244 ft³/s Oct. 23, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 31.6 ft occurred Mar. 26, 1913, and has not been exceeded since.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,900 ft³/s Mar. 21, gage height, 16.97 ft; minimum daily, 520 ft³/s Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	609	2020	15600	1200	2550	3280	16300	5120	5470	1340	762	642
2	624	1970	12200	1000	2140	2880	13800	4690	4510	1290	750	678
3	605	2050	8940	1000	2920	2770	10900	4760	3910	1300	873	642
4	647	2950	11600	1100	9400	2740	9730	6470	3560	1340	1370	619
5	733	3590	17900	1200	11800	4070	16100	9160	2810	1430	1410	619
6	985	3780	18000	1300	9560	8590	22100	7480	2440	1980	1150	642
7	1090	3340	18100	1200	6400	8680	22500	6910	2230	1750	1040	550
8	918	2940	17200	1100	4400	7480	20600	6510	2120	1850	1060	580
9	818	2460	14400	1000	3260	6250	15800	9330	2010	1590	1680	590
10	760	2210	11400	1000	2930	5260	11200	8470	1890	1440	1620	600
11	736	2820	8650	980	2880	4380	8230	6130	1790	1520	1630	620
12	762	6410	8200	960	6590	3700	6590	5140	1660	1590	1850	836
13	806	7550	11100	940	9180	3710	5500	4990	1590	1450	1550	678
14	842	5880	13000	900	16200	4500	5190	4470	1510	1220	1210	580
15	1280	5800	11300	880	20900	5110	4650	3750	1550	1100	1080	620
16	1080	6200	8970	860	23300	8480	4490	3530	1560	1050	960	775
17	957	6530	6910	860	20900	17200	4540	3300	1470	1080	898	690
18	1000	6910	5220	840	15500	22100	6240	2760	1410	1040	873	580
19	1140	6370	4290	820	9870	23600	7150	2640	1410	985	860	550
20	1450	6430	3800	820	7880	21800	6660	2500	1440	947	824	540
21	2700	6110	3230	800	6760	34900	6090	2530	1580	910	787	540
22	4040	5410	3780	800	5660	32700	8730	4210	1720	910	775	540
23	6290	5010	4630	800	4680	34500	16800	6470	1630	848	824	540
24	7630	6400	3490	1000	4250	27500	18600	12300	1780	811	1320	540
25	7440	9340	1630	9730	3640	20900	19900	10900	2090	910	1100	520
26	6920	8620	1600	8320	3440	21600	17800	7440	2210	935	910	540
27	5880	7450	1500	6580	3230	23800	14900	5210	2230	910	799	580
28	3480	15500	1400	6160	3410	26100	11100	4720	2090	850	738	702
29	2790	21500	1700	5220	3650	29800	8980	12600	1730	811	738	600
30	2420	20400	1800	4050	---	25400	6620	8570	1480	775	590	540
31	2150	---	1600	3220	---	21400	---	6680	---	762	666	---
TOTAL	69582	193950	253140	66640	227280	465180	347890	189740	64880	36734	32797	18303
MEAN	2245	6465	8166	2150	7837	15010	11600	6121	2163	1185	1058	610
MAX	7630	21500	18100	9730	23300	34900	22500	12600	5470	1980	1850	836
MIN	605	1970	1400	800	2140	2740	4490	2500	1410	762	666	520

CAL YR 1983 TOTAL 1654322 MEAN 4532 MAX 44600 MIN 605
WTR YR 1984 TOTAL 1966116 MEAN 5372 MAX 34900 MIN 520

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1967 to current year.
pH: March 1967 to current year.
WATER TEMPERATURES: October 1953 to current year.
DISSOLVED OXYGEN: March 1967 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1967.

REMARKS.--Samples were collected each month as part of the National Stream Quality Accounting Network. Interruptions in the water-quality record were due to malfunction of the instrument. Daily Sediment data collected 1954-1974, 1979-1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,070 micromhos Sept. 29, 1984; minimum, 113 micromhos Sept. 16, 1975.
pH: Maximum, 9.3 units July 21, 1982 , July 19, Aug. 21, 1984; minimum, 5.9 units Mar. 8, 1980.
WATER TEMPERATURES: Maximum, 34.0°C June 29, 1966; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN. Maximum, >20.0 mg/L on several days during period 1982 to 1984; minimum, 0.0 mg/L on many days during 1968, Sept. 13, 1969.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,070 micromhos Sept. 29; minimum, 268 micromhos March 21.
pH: Maximum, 9.3 units July 19, Aug. 21; minimum 7.4 units Nov. 5.
WATER TEMPERATURES: Maximum, 28.0°C Aug. 9; minimum, 0.0°C Jan. 21, Feb. 8.
DISSOLVED OXYGEN: Maximum, >20.0 mg/L June 15, July 17, 18, 19, 20; minimum, 3.9 mg/L Sept. 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
NOV											
15...	1400	5820	30	1	79	<.5	<1	<1	<3	10	46
JAN											
25...	0830	11300	40	2	74	<.5	<1	<1	<3	10	32
MAY											
09...	1000	9470	10	1	71	<1	<1	20	<3	11	33
JUL											
17...	1000	1060	50	2	110	1	<1	<1	<3	16	13

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV											
15...	3	<4	6	.2	<10	3	<1	<1	1700	<6	7
JAN											
25...	3	<4	25	.2	<10	5	<1	<1	940	<6	15
MAY											
09...	2	<4	3	.2	<10	5	<1	<1	850	<6	6
JUL											
17...	6	16	3	.2	10	3	<1	1	1400	<6	11

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 15...	1400	5820	630	7.9	9.0	8.0	22	10.4	91	4000
JAN 25...	0830	11300	515	8.0	1.0	1.0	100	13.2	95	2000
MAY 09...	1000	9470	515	7.8	12.0	12.0	40	10.6	101	3500
JUL 17...	1000	1060	735	8.8	27.0	25.0	12	10.8	135	220

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 15...	3100	75	25	19	12	.5	4.0	159	100	35
JAN 25...	17000	48	19	21	18	.7	8.3	135	65	38
MAY 09...	8000	58	22	12	10	.4	2.3	162	58	23
JUL 17...	830	74	27	37	21	1	3.9	219	98	52

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
NOV 15...	.40	7.9	414	7.70	.160	.21	2.6	.370	.240	.240
JAN 25...	.30	4.2	320	3.00	.720	.93	2.9	.910	.610	.580
MAY 09...	.30	5.4	369	3.80	.080	.10	1.1	.270	.140	.120
JUL 17...	.50	1.7	490	2.00	<.010	--	1.2	.330	.270	.240

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 15...	1400	5820	8.0	75	1180
JAN 25...	0830	11300	1.0	498	15200
MAY 09...	1000	9470	12.0	128	3270
JUL 17...	1000	1060	25.0	30	86

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	876	852	858	618	604	612	470	446	460	766	740	755
2	896	878	885	628	612	617	476	468	472	782	766	777
3	908	888	897	640	624	632	480	470	475	796	782	791
4	896	868	884	694	642	663	480	428	451	788	746	772
5	882	818	848	694	598	634	440	412	435	744	726	732
6	826	806	819	634	586	602	438	404	427	756	732	745
7	810	806	808	632	604	616	456	440	445	756	744	750
8	822	812	817	632	624	628	462	454	460	758	750	755
9	818	800	813	640	628	636	468	462	464	782	752	764
10	800	776	787	638	620	633	478	470	475	788	776	784
11	774	754	760	614	538	577	490	476	483	780	764	771
12	762	754	758	624	514	575	504	490	497	796	754	770
13	786	762	771	538	498	517	508	500	503	786	754	756
14	806	790	796	---	---	---	500	484	492	792	764	778
15	808	762	778	628	618	625	504	486	495	800	788	795
16	814	788	806	616	568	600	512	484	507	802	790	797
17	828	814	823	566	546	554	---	---	---	812	794	802
18	818	734	770	550	538	545	550	528	539	812	798	803
19	726	672	685	550	538	545	572	528	546	806	796	800
20	670	634	651	550	544	548	580	570	574	840	808	817
21	630	518	566	570	544	559	596	576	587	856	838	845
22	520	480	504	576	562	569	604	560	583	882	856	870
23	482	408	435	574	568	572	602	572	587	882	866	873
24	482	428	449	574	556	569	658	602	632	870	528	768
25	470	430	446	552	518	529	692	660	676	526	452	483
26	530	464	498	540	524	532	704	694	698	526	478	506
27	550	528	536	556	542	552	702	690	696	588	512	546
28	592	556	581	550	368	417	700	678	686	592	564	573
29	594	584	587	420	374	406	682	626	649	596	526	579
30	602	586	591	444	402	428	662	582	613	630	598	619
31	612	604	608	---	---	---	740	670	720	640	624	629
MONTH	908	408	704	694	368	569	740	404	544	882	452	736

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	656	640	647	---	---	---	---	---	---			
2	662	642	652	---	---	---	---	---	---			
3	660	576	635	---	---	---	---	---	---			
4	580	502	526	---	---	---	---	---	---			
5	536	418	473	---	---	---	---	---	---			
6	476	416	451	---	---	---	---	---	---			
7	478	468	472	---	---	---	---	---	---			
8	486	476	482	---	---	---	---	---	---			
9	---	---	---	---	---	---	---	---	---			
10	---	---	---	---	---	---	---	---	---			
11	---	---	---	---	---	---	---	---	---			
12	---	---	---	---	---	---	---	---	---			
13	---	---	---	680	665	675	---	---	---			
14	---	---	---	660	640	645	---	---	---			
15	411	407	409	660	630	640	592	582	587			
16	410	406	408	640	615	625	596	592	595			
17	414	406	408	615	525	570	592	576	583			
18	445	415	430	515	429	487	584	534	559			
19	489	446	468	477	433	455	552	534	544			
20	510	496	503	432	334	572	562	542	550			
21	525	515	525	318	260	288	574	562	568			
22	540	525	535	338	304	329	572	288	486			
23	565	540	550	380	336	352	---	---	---			
24	580	570	575	416	378	398	---	---	---			
25	595	580	585	---	---	---	---	---	---			
26	615	595	605	---	---	---	---	---	---			
27	620	615	620	414	394	335	---	---	---			
28	615	570	600	416	348	396	---	---	---			
29	---	---	---	376	346	359	---	---	---			
30	---	---	---	402	378	390	---	---	---			
31	---	---	---	---	---	---	---	---	---			
MONTH	662	406	525	680	260	470	596	288	559			

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03234500 SCIOTO RIVER AT HIGBY, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	728	714	722	816	800	808	832	820	826
2	---	---	---	738	728	733	820	790	811	852	826	838
3	---	---	---	744	736	739	800	788	793	848	834	840
4	---	---	---	752	744	749	818	610	792	866	848	857
5	---	---	---	742	716	733	736	624	684	862	854	858
6	---	---	---	726	704	716	730	672	713	858	850	855
7	---	---	---	716	700	710	800	734	771	---	---	---
8	---	---	---	706	644	671	794	764	784	---	---	---
9	---	---	---	642	624	631	754	682	717	---	---	---
10	---	---	---	674	644	664	686	636	656	---	---	---
11	---	---	---	686	674	681	636	616	625	---	---	---
12	---	---	---	690	670	682	632	604	617	---	---	---
13	---	---	---	682	672	678	678	620	654	910	890	897
14	---	---	---	698	684	693	712	680	701	1000	912	955
15	708	678	698	728	700	719	696	670	680	948	890	935
16	728	696	718	758	724	741	718	686	702	946	852	908
17	748	732	742	738	722	730	706	686	698	866	844	848
18	762	718	746	752	736	742	710	692	702	882	852	865
19	732	714	724	754	724	742	724	696	711	914	884	900
20	732	722	727	744	712	729	730	692	712	976	892	919
21	760	734	752	736	702	715	800	702	752	986	922	954
22	754	714	728	---	---	---	820	798	811	968	930	950
23	728	712	721	---	---	---	840	818	827	968	946	959
24	716	704	711	---	---	---	832	770	806	990	946	961
25	712	708	706	---	---	---	764	726	741	1010	958	983
26	730	694	711	---	---	---	766	732	750	964	950	957
27	746	692	723	---	---	---	780	744	765	972	962	965
28	698	686	690	---	---	---	762	738	752	990	968	978
29	726	700	714	---	---	---	784	762	772	1070	1000	1030
30	728	724	725	---	---	---	800	774	789	1020	1000	1010
31	---	---	---	802	784	369	828	802	818	---	---	---
MONTH	762	678	721	802	624	695	840	604	739	1070	820	919
YEAR	1070	268	665									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.7	7.7	7.7	7.8	7.7	7.8	7.7	7.6	7.6	8.2	7.9	8.1
2	7.7	7.6	7.6	7.8	7.7	7.8	7.7	7.6	7.6	8.1	7.9	8.0
3	7.7	7.5	7.7	7.9	7.8	7.8	7.7	7.6	7.6	7.9	7.9	7.9
4	7.7	7.6	7.7	7.9	7.8	7.8	7.7	7.6	7.6	8.0	7.9	7.9
5	7.6	7.6	7.6	7.8	7.4	7.7	7.6	7.6	7.6	8.1	8.0	8.1
6	8.0	7.6	7.8	7.8	7.7	7.8	7.6	7.6	7.6	8.1	8.1	8.1
7	8.0	7.9	8.0	7.9	7.8	7.9	7.7	7.6	7.6	8.1	8.1	8.1
8	7.9	7.7	7.8	7.9	7.7	7.9	7.6	7.6	7.6	8.1	8.1	8.1
9	7.7	7.7	7.7	7.9	7.7	7.8	7.6	7.6	7.6	8.1	8.1	8.1
10	7.8	7.7	7.7	7.8	7.8	7.8	7.6	7.6	7.6	8.1	8.0	8.0
11	7.8	7.7	7.7	7.9	7.8	7.8	7.7	7.6	7.6	8.1	8.1	8.1
12	7.7	7.6	7.7	7.8	7.6	7.7	7.9	7.6	7.7	8.1	8.1	8.1
13	7.7	7.6	7.7	7.7	7.6	7.7	7.8	7.6	7.6	8.1	8.1	8.1
14	7.7	7.6	7.7	---	---	---	7.7	7.6	7.6	8.2	8.1	8.2
15	7.9	7.7	7.8	7.9	7.8	7.9	7.7	7.6	7.6	8.2	8.2	8.2
16	7.8	7.6	7.7	7.9	7.6	7.8	7.7	7.6	7.6	8.2	8.1	8.1
17	7.7	7.6	7.6	7.7	7.7	7.7	---	---	---	8.1	7.9	8.0
18	7.7	7.6	7.7	7.7	7.7	7.7	7.9	7.7	7.9	8.0	7.9	8.0
19	7.8	7.7	7.7	7.7	7.6	7.7	7.9	7.9	7.9	8.1	8.0	8.0
20	7.9	7.8	7.8	7.7	7.5	7.7	7.9	7.9	7.9	8.1	8.1	8.1
21	7.8	7.8	7.8	7.8	7.6	7.7	7.9	7.9	7.9	8.2	8.1	8.1
22	7.9	7.8	7.8	8.0	7.8	8.0	8.2	7.9	8.0	8.1	8.1	8.1
23	7.8	7.7	7.7	8.0	8.0	8.0	8.0	7.9	7.9	8.1	8.0	8.0
24	7.7	7.6	7.7	8.0	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0
25	7.8	7.8	7.8	8.0	7.9	7.9	8.0	7.9	7.9	8.0	7.9	8.0
26	7.9	7.8	7.8	8.0	8.0	8.0	7.9	7.9	7.9	8.0	7.9	8.0
27	7.9	7.9	7.9	8.1	8.0	8.0	7.9	7.9	7.9	8.0	7.9	8.0
28	7.9	7.8	7.9	8.1	7.7	7.9	7.9	7.9	7.9	8.0	7.9	8.0
29	7.9	7.8	7.8	7.7	7.6	7.6	8.0	7.9	7.9	8.1	8.0	8.1
30	7.9	7.8	7.9	7.7	7.6	7.6	7.9	7.8	7.9	8.1	8.1	8.1
31	7.9	7.8	7.8	---	---	---	7.9	7.9	7.9	8.1	8.1	8.1
MONTH	8.0	7.5	[illegible]	8.1	7.4	7.8	8.2	7.6	7.8	8.2	7.9	8.1

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.1	8.0	8.1	---	---	---	---	---	---			
2	8.0	7.9	8.0	---	---	---	---	---	---			
3	8.0	7.9	7.9	---	---	---	---	---	---			
4	8.0	7.8	7.9	---	---	---	---	---	---			
5	7.8	7.8	7.8	---	---	---	---	---	---			
6	7.9	7.7	7.8	---	---	---	---	---	---			
7	7.9	7.9	7.9	---	---	---	---	---	---			
8	7.9	7.8	7.9	---	---	---	---	---	---			
9	7.9	7.8	7.9	---	---	---	---	---	---			
10	7.9	7.9	7.9	---	---	---	---	---	---			
11	7.9	7.9	7.9	---	---	---	---	---	---			
12	8.0	7.9	7.9	---	---	---	---	---	---			
13	8.0	7.9	7.9	8.0	7.9	8.0	---	---	---			
14	7.9	7.8	7.9	8.1	8.0	8.1	---	---	---			
15	7.9	7.8	7.8	8.2	8.1	8.1	8.2	8.0	8.1			
16	7.9	7.8	7.9	8.2	8.1	8.2	8.1	8.0	8.0			
17	7.9	7.9	7.9	8.1	8.1	8.1	8.1	8.0	8.0			
18	7.9	7.9	7.9	8.1	8.1	8.1	8.1	8.0	8.1			
19	8.0	7.9	7.9	8.1	8.0	8.1	8.1	8.1	8.1			
20	8.0	8.0	8.0	8.1	7.8	8.0	8.2	8.1	8.1			
21	8.1	8.0	8.0	7.9	7.8	7.9	8.2	8.1	8.1			
22	8.1	8.0	8.0	7.9	7.9	7.9	8.1	8.0	8.1			
23	8.1	8.0	8.0	7.9	7.9	7.9	---	---	---			
24	8.1	8.0	8.1	---	---	---	---	---	---			
25	8.1	8.0	8.1	---	---	---	---	---	---			
26	8.1	8.1	8.1	---	---	---	---	---	---			
27	8.1	8.1	8.1	7.9	7.9	7.8	---	---	---			
28	8.2	8.1	8.1	8.0	7.9	7.9	---	---	---			
29	---	---	---	8.0	7.9	7.9	---	---	---			
30	---	---	---	8.0	7.9	7.9	---	---	---			
31	---	---	---	---	---	---	---	---	---			
MONTH	8.2	7.7	8.0	8.2	7.8	8.0	8.2	8.0	8.1			

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.8	8.4	8.6	9.0	8.8	8.9	8.6	8.0	8.2
2	---	---	---	9.0	8.6	8.8	8.8	8.6	8.7	8.9	7.9	8.4
3	---	---	---	8.9	8.6	8.8	8.7	8.5	8.6	8.7	8.3	8.4
4	---	---	---	8.9	8.6	8.7	8.5	8.1	8.4	8.5	8.1	8.2
5	---	---	---	8.7	8.5	8.6	8.1	8.0	8.1	8.3	8.0	8.1
6	---	---	---	8.5	8.3	8.4	8.4	8.1	8.2	8.2	8.0	8.0
7	---	---	---	8.5	8.2	8.3	8.5	8.1	8.3	---	---	---
8	---	---	---	8.7	8.2	8.4	8.7	8.2	8.4	---	---	---
9	---	---	---	8.5	8.2	8.4	8.8	8.5	8.6	---	---	---
10	---	---	---	8.6	8.2	8.4	8.6	8.3	8.4	---	---	---
11	---	---	---	8.5	8.3	8.4	8.3	8.0	8.1	---	---	---
12	---	---	---	8.7	8.2	8.4	8.4	8.1	8.2	---	---	---
13	---	---	---	8.9	8.4	8.6	8.7	8.2	8.4	---	---	---
14	---	---	---	9.0	8.5	8.7	8.8	8.3	8.5	---	---	---
15	9.2	8.8	9.0	8.9	8.6	8.7	8.7	8.2	8.4	---	---	---
16	9.1	8.8	8.9	9.1	8.6	8.8	8.5	8.3	8.4	---	---	---
17	9.0	8.7	8.9	9.2	8.7	9.0	8.4	8.2	8.3	---	---	---
18	9.0	8.6	8.8	9.2	8.8	9.0	8.4	8.2	8.2	---	---	---
19	9.0	8.6	8.8	9.3	8.9	9.1	8.4	8.2	8.3	---	---	---
20	8.8	8.5	8.6	9.2	8.9	9.1	8.8	8.2	8.5	8.8	8.5	8.7
21	8.6	8.3	8.5	9.0	8.7	8.9	9.3	8.5	8.8	8.8	8.2	8.5
22	8.4	8.2	8.3	---	---	---	9.1	8.9	9.0	8.7	8.2	8.4
23	8.6	8.3	8.4	---	---	---	9.0	8.7	8.8	8.4	8.1	8.2
24	8.8	8.4	8.6	---	---	---	8.8	8.4	8.7	8.1	7.8	7.9
25	8.7	8.4	8.5	---	---	---	8.4	7.9	8.1	7.9	7.7	7.8
26	8.6	8.2	8.4	---	---	---	8.1	7.9	8.0	7.8	7.7	7.7
27	8.6	8.3	8.5	---	---	---	8.1	7.9	8.0	7.7	7.7	7.7
28	8.6	8.3	8.5	---	---	---	9.1	8.1	8.4	7.7	7.6	7.7
29	8.6	8.4	8.5	---	---	---	9.1	8.7	8.9	7.8	7.7	7.8
30	8.5	8.4	8.4	---	---	---	9.0	8.7	8.8	8.1	7.7	8.0
31	---	---	---	9.2	8.9	8.7	8.9	8.4	8.6	---	---	---
MONTH	9.2	8.2	8.6	9.3	8.2	8.7	9.3	7.9	8.5	8.9	7.6	8.1
YEAR	9.3	7.4	8.1									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.0	19.0	19.5	13.5	12.0	13.0	7.5	6.5	7.0	1.5	.5	1.0
2	20.5	18.0	19.0	14.0	13.0	13.5	6.5	6.0	6.5	1.5	1.0	1.0
3	20.5	18.5	19.5	14.5	13.5	14.0	6.0	6.0	6.0	1.5	1.0	1.0
4	20.0	19.5	19.5	13.5	12.5	12.5	7.0	6.0	6.5	1.5	1.0	1.0
5	20.5	19.5	20.0	12.5	11.0	11.5	7.0	6.5	7.0	1.5	1.0	1.0
6	20.0	18.5	19.0	11.5	10.5	11.0	7.0	6.5	7.0	3.0	1.0	2.5
7	19.5	17.5	18.5	10.5	9.5	10.0	7.0	6.0	6.5	3.5	2.5	3.0
8	19.5	17.0	18.5	11.0	9.5	10.5	6.0	5.5	6.0	3.5	2.5	3.0
9	18.5	18.0	18.0	11.5	10.0	10.5	6.0	5.5	5.5	4.0	3.0	3.5
10	19.0	17.0	18.0	11.5	11.0	11.5	6.5	6.0	6.0	4.5	3.0	3.5
11	18.5	17.0	18.0	11.5	9.5	10.5	7.5	6.0	7.0	2.5	1.5	2.0
12	19.0	17.5	18.0	9.5	9.0	9.5	7.5	6.5	7.0	2.0	.5	1.5
13	19.0	17.0	18.0	8.5	7.5	8.0	7.5	7.0	7.5	2.0	1.0	1.5
14	17.0	15.0	16.0	---	---	---	7.5	7.0	7.5	2.0	2.0	2.0
15	16.5	14.5	15.5	8.0	8.0	8.0	7.0	6.5	7.0	2.5	2.0	2.0
16	17.0	15.0	16.0	8.0	7.5	7.5	6.5	6.0	6.5	2.5	1.5	2.0
17	17.0	16.0	16.5	7.5	7.0	7.0	---	---	---	2.5	2.0	2.5
18	17.0	15.5	16.5	7.0	6.5	7.0	5.0	4.5	4.5	2.5	1.5	2.0
19	15.5	14.5	15.0	8.5	7.0	8.0	4.0	3.0	3.5	1.5	.5	1.0
20	15.0	14.0	14.5	8.5	8.5	8.5	3.5	3.0	3.0	1.0	.5	.5
21	14.0	13.5	14.0	9.0	8.0	8.5	3.5	3.0	3.0	.5	.0	.5
22	14.0	13.5	14.0	9.0	8.0	8.5	4.0	2.5	3.5	.5	.5	.5
23	14.0	13.5	13.5	9.5	9.0	9.0	2.5	2.0	2.0	1.5	.5	.5
24	14.5	14.0	14.0	9.5	8.5	9.5	2.0	.5	1.0	1.5	.5	1.5
25	14.0	13.5	14.0	8.5	8.0	8.5	.5	.5	.5	1.0	.5	.5
26	13.5	12.5	13.0	8.0	7.5	7.5	.5	.5	.5	2.0	.5	1.0
27	13.0	12.0	12.5	7.5	7.5	7.5	.5	.5	.5	1.5	1.5	1.5
28	13.5	11.5	12.5	8.5	7.5	8.5	1.0	.5	.5	2.0	1.5	1.5
29	13.5	12.5	13.0	9.0	7.5	8.5	.5	.5	.5	2.0	1.5	2.0
30	13.0	12.0	12.5	8.0	7.5	7.5	.5	.5	.5	2.0	1.5	2.0
31	12.5	11.5	12.0	---	---	---	1.0	.5	.5	2.0	1.5	2.0
MONTH	20.5	11.5	16.0	14.5	6.5	9.5	7.5	.5	4.5	4.5	.0	1.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	1.5	2.0	---	---	---	---	---	---			
2	3.5	1.5	2.5	---	---	---	---	---	---			
3	4.0	3.0	3.5	---	---	---	---	---	---			
4	3.0	2.0	2.5	---	---	---	---	---	---			
5	2.0	1.5	1.5	---	---	---	---	---	---			
6	1.5	1.0	1.5	---	---	---	---	---	---			
7	1.0	.5	.5	---	---	---	---	---	---			
8	1.5	.0	.5	---	---	---	---	---	---			
9	3.0	1.0	2.0	---	---	---	---	---	---			
10	4.0	2.5	3.0	---	---	---	---	---	---			
11	5.5	4.0	4.5	---	---	---	---	---	---			
12	5.5	4.5	5.0	---	---	---	---	---	---			
13	5.5	4.0	4.5	4.5	4.0	4.5	---	---	---			
14	5.5	5.0	5.0	5.0	4.0	4.5	---	---	---			
15	5.0	4.5	4.5	6.0	4.0	5.0	13.5	12.0	12.5			
16	4.5	4.0	4.5	7.0	6.0	6.5	12.5	12.0	12.5			
17	5.5	4.5	5.0	6.5	4.5	5.5	12.5	11.0	11.5			
18	6.5	5.5	6.0	4.5	3.5	4.0	11.0	9.5	10.0			
19	8.0	6.0	7.0	4.0	3.5	3.5	10.5	9.0	9.5			
20	7.5	6.5	7.0	6.0	4.0	4.5	11.5	9.5	10.5			
21	7.5	6.0	6.5	6.5	5.5	6.0	11.0	11.0	11.0			
22	7.5	6.0	6.5	5.5	4.5	5.0	11.0	9.5	10.5			
23	7.5	6.5	7.0	6.0	4.0	5.0	---	---	---			
24	8.0	6.5	7.5	8.0	5.5	6.5	---	---	---			
25	8.0	7.0	7.5	---	---	---	---	---	---			
26	7.5	6.0	7.0	---	---	---	---	---	---			
27	7.0	5.5	6.0	8.5	7.0	8.0	---	---	---			
28	5.5	3.0	4.5	8.0	7.0	7.5	---	---	---			
29	---	---	---	7.5	5.0	6.5	---	---	---			
30	---	---	---	6.5	5.0	6.0	---	---	---			
31	---	---	---	---	---	---	---	---	---			
MONTH	8.0	.0	4.5	8.5	3.5	5.5	13.5	9.0	11.0			

BEST COPY AVAILABLE

03234500 SCIOTO RIVER AT HIGBY, OH--Continued
TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	23.0	22.0	22.5	26.5	24.5	25.5	24.5	22.0	23.0
2	---	---	---	24.0	22.0	23.0	26.5	25.0	25.5	25.0	21.5	23.0
3	---	---	---	24.0	22.0	23.0	26.5	24.5	25.5	24.5	23.5	23.5
4	---	---	---	24.5	23.5	24.0	26.0	24.0	25.5	23.5	21.5	22.5
5	---	---	---	24.0	23.0	23.5	25.5	23.5	24.5	22.5	20.5	21.0
6	---	---	---	24.0	22.5	23.5	26.5	25.0	25.5	20.0	19.0	19.5
7	---	---	---	24.5	22.0	23.5	27.0	25.5	26.0	---	---	---
8	---	---	---	24.5	21.5	23.0	27.0	25.5	26.5	---	---	---
9	---	---	---	24.0	22.5	23.0	28.0	26.0	27.0	---	---	---
10	---	---	---	26.0	22.5	24.0	27.5	26.5	27.0	---	---	---
11	---	---	---	25.5	25.0	25.5	26.5	25.5	26.0	---	---	---
12	---	---	---	26.5	24.0	25.5	26.0	24.5	25.5	---	---	---
13	---	---	---	27.0	24.5	25.5	27.0	24.5	25.5	25.0	22.0	24.0
14	---	---	---	27.5	25.0	26.0	27.5	25.0	26.0	25.0	23.0	24.0
15	27.0	24.5	26.0	27.0	25.5	26.0	27.5	25.5	26.5	23.5	21.5	22.5
16	26.0	24.0	25.0	27.5	25.0	26.0	27.5	25.0	26.0	21.5	19.5	20.5
17	26.5	24.0	25.0	26.5	24.5	26.0	27.0	25.0	26.0	20.5	18.0	19.5
18	27.0	24.5	26.0	26.0	24.5	25.5	27.5	25.0	26.0	21.0	18.0	19.5
19	27.5	25.0	26.0	25.5	23.0	24.0	27.0	25.0	26.0	21.5	18.5	20.0
20	27.0	24.5	25.5	24.5	23.0	24.0	26.5	24.0	25.0	22.0	19.0	20.5
21	25.5	23.5	24.5	25.5	23.0	24.0	26.0	23.0	24.5	23.0	20.0	21.5
22	25.0	23.5	24.5	---	---	---	25.5	23.5	24.5	23.5	21.0	22.5
23	24.5	23.5	24.0	---	---	---	25.5	23.5	24.5	23.0	22.0	22.0
24	25.0	23.0	24.0	---	---	---	24.5	23.0	23.5	22.0	21.0	21.5
25	24.5	22.5	23.5	---	---	---	24.5	21.5	23.0	22.5	20.5	21.5
26	25.0	22.0	23.5	---	---	---	25.0	22.0	23.5	22.0	19.5	21.0
27	24.0	23.0	23.5	---	---	---	25.0	22.5	23.5	19.5	17.0	18.0
28	25.0	22.0	23.5	---	---	---	25.0	23.0	24.0	17.0	15.5	16.0
29	24.5	23.5	24.0	---	---	---	25.5	24.0	24.5	16.5	14.5	15.5
30	24.5	22.5	23.5	---	---	---	25.5	24.5	25.0	15.5	14.5	15.5
31	---	---	---	26.0	24.5	24.5	25.5	22.5	24.0	---	---	---
MONTH	27.5	22.0	24.5	27.5	21.5	24.5	28.0	21.5	25.0	25.0	14.5	21.0
YEAR	28.0	.0	13.0									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.5	5.6	6.1	8.9	8.7	8.8	13.6	12.3	13.1	13.1	12.5	12.8
2	6.7	5.2	5.9	8.7	8.5	8.6	13.8	11.8	12.7	12.7	12.1	12.4
3	6.7	5.6	6.1	8.5	8.2	8.3	13.6	11.2	12.4	12.1	11.7	12.0
4	6.2	5.6	5.9	8.4	8.1	8.3	13.5	11.7	12.6	12.1	10.6	11.8
5	5.7	5.1	5.4	8.3	7.7	7.9	12.9	11.9	12.5	13.4	11.5	12.9
6	9.0	5.6	7.0	9.2	8.3	8.8	12.5	11.6	12.1	13.4	12.9	13.1
7	10.2	7.5	8.7	9.5	9.2	9.4	13.3	11.9	12.3	13.4	12.9	13.1
8	8.5	6.6	7.4	9.6	9.3	9.4	12.9	12.1	12.6	13.2	12.4	12.8
9	7.4	6.8	7.1	9.3	9.2	9.3	12.8	11.6	12.3	14.1	12.6	13.2
10	7.2	6.6	6.8	9.1	8.7	8.9	12.2	9.5	11.1	13.4	12.8	13.1
11	7.2	6.5	6.8	9.1	8.7	8.9	12.0	8.5	10.3	---	---	---
12	6.6	5.9	6.3	8.8	8.1	8.5	13.4	11.1	12.1	---	---	---
13	6.3	5.4	5.8	9.7	8.7	9.2	12.7	11.3	11.9	---	---	---
14	6.0	5.3	5.6	---	---	---	12.1	11.3	11.6	---	---	---
15	7.4	6.2	7.1	10.3	9.9	10.1	12.0	11.0	11.4	---	---	---
16	7.2	6.7	6.8	9.9	9.7	9.8	11.8	8.5	10.0	---	---	---
17	6.9	6.3	6.6	9.7	9.5	9.6	---	---	---	---	---	---
18	6.8	6.5	6.7	9.8	9.6	9.7	13.0	12.0	13.1	---	---	---
19	7.7	6.7	7.2	9.8	9.6	9.7	13.8	13.2	13.5	---	---	---
20	8.2	7.7	8.0	9.6	9.3	9.5	13.8	13.3	13.6	---	---	---
21	8.4	8.0	8.2	9.3	9.3	9.3	13.8	12.9	13.3	---	---	---
22	8.5	8.2	8.3	10.0	9.1	9.6	13.6	12.8	13.1	---	---	---
23	8.7	8.0	8.4	10.0	9.8	10.0	13.6	12.3	13.2	---	---	---
24	8.3	7.4	7.8	10.1	9.7	9.8	14.4	11.4	12.5	---	---	---
25	8.5	8.3	8.5	10.3	9.3	9.8	13.6	12.4	13.0	---	---	---
26	8.9	8.3	8.6	10.6	10.3	10.5	12.7	11.2	12.4	12.1	11.5	11.6
27	9.2	8.9	9.1	10.7	10.4	10.5	12.5	12.2	12.5	11.8	11.6	11.7
28	9.0	8.7	8.9	13.5	8.3	10.1	13.0	12.7	12.7	11.8	11.6	11.7
29	8.8	8.7	8.7	14.1	8.7	13.3	13.1	12.5	13.0	11.8	11.7	11.7
30	9.0	8.7	8.9	14.2	12.5	13.4	13.1	12.1	13.0	11.6	11.5	11.5
31	9.1	8.9	9.0	---	---	---	13.1	12.5	12.8	11.8	11.5	11.6
MONTH	10.2	5.1	7.4	14.2	7.7	9.6	14.4	8.5	12.4	14.1	10.6	12.3

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.7	11.5	11.6	---	---	---	---	---	---			
2	11.4	11.2	11.3	---	---	---	---	---	---			
3	11.3	11.0	11.1	---	---	---	---	---	---			
4	11.3	10.9	11.1	---	---	---	---	---	---			
5	11.5	11.0	11.3	---	---	---	---	---	---			
6	11.7	11.3	11.5	---	---	---	---	---	---			
7	11.9	11.6	11.7	---	---	---	---	---	---			
8	11.8	11.5	11.7	---	---	---	---	---	---			
9	11.5	11.1	11.4	---	---	---	---	---	---			
10	11.1	10.8	11.1	---	---	---	---	---	---			
11	10.8	10.7	10.7	---	---	---	---	---	---			
12	11.3	10.7	10.9	---	---	---	---	---	---			
13	11.3	11.0	11.2	12.4	12.1	12.3	---	---	---			
14	11.1	10.9	11.1	12.6	12.3	12.4	---	---	---			
15	12.5	10.8	11.6	12.7	12.2	12.4	8.9	8.6	8.8			
16	12.2	12.1	12.1	12.2	11.6	11.8	9.2	8.9	9.0			
17	12.1	11.8	11.9	12.4	11.5	11.9	9.5	9.0	9.2			
18	11.8	11.5	11.7	12.9	12.4	12.7	9.9	9.5	9.7			
19	11.5	11.0	11.2	13.0	12.8	12.9	10.3	9.8	10.1			
20	10.9	10.8	10.9	12.9	11.9	12.8	10.4	10.1	10.2			
21	11.1	10.9	11.0	11.9	11.4	11.6	10.3	10.0	10.2			
22	11.2	11.0	11.1	15.9	11.2	11.7	10.6	10.0	10.1			
23	11.0	10.9	10.9	16.1	11.7	14.4	---	---	---			
24	10.9	10.7	10.8	---	---	---	---	---	---			
25	10.7	10.4	10.5	---	---	---	---	---	---			
26	10.9	10.6	10.8	---	---	---	---	---	---			
27	11.0	10.8	10.9	14.1	11.1	11.6	---	---	---			
28	11.6	11.0	11.1	15.8	10.2	11.7	---	---	---			
29	---	---	---	13.8	10.9	12.1	---	---	---			
30	---	---	---	13.2	9.2	10.6	---	---	---			
31	---	---	---	-	---	---	---	---	---			
MONTH	12.5	10.4	11.2	16.1	9.2	12.2	10.6	8.6	9.7			

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	16.7	9.1	12.3	17.1	10.2	13.8	---	---	---
2	---	---	---	18.7	10.5	14.4	13.2	8.4	11.1	---	---	---
3	---	---	---	17.8	9.7	13.5	12.7	7.4	9.8	---	---	---
4	---	---	---	14.8	9.6	12.3	---	---	---	---	---	---
5	---	---	---	11.8	8.4	10.0	---	---	---	---	---	---
6	---	---	---	10.7	7.9	9.4	---	---	---	---	---	---
7	---	---	---	13.1	7.3	9.7	---	---	---	---	---	---
8	---	---	---	14.4	8.1	10.6	---	---	---	---	---	---
9	---	---	---	12.1	8.4	10.2	---	---	---	---	---	---
10	---	---	---	14.0	7.8	10.4	---	---	---	---	---	---
11	---	---	---	11.5	8.5	9.6	---	---	---	---	---	---
12	---	---	---	14.1	7.1	10.0	---	---	---	---	---	---
13	---	---	---	16.4	8.2	11.9	---	---	---	---	---	---
14	---	---	---	16.7	7.9	11.9	---	---	---	---	---	---
15	20.0	11.0	15.7	13.7	8.4	11.4	---	---	---	---	---	---
16	18.6	11.0	14.6	19.8	8.2	13.0	---	---	---	---	---	---
17	19.0	9.6	14.1	20.0	9.8	15.3	---	---	---	---	---	---
18	18.2	8.9	13.0	20.0	10.3	15.3	---	---	---	---	---	---
19	17.8	7.9	12.4	20.0	11.3	16.8	---	---	---	---	---	---
20	13.0	8.2	10.0	20.0	12.0	16.5	---	---	---	---	---	---
21	13.3	7.0	9.7	18.7	9.9	13.6	---	---	---	13.3	7.2	10.3
22	9.4	6.6	7.9	---	---	---	---	---	---	11.7	6.5	9.1
23	11.7	7.1	9.5	---	---	---	---	---	---	9.0	6.0	7.0
24	14.4	8.0	10.8	---	---	---	---	---	---	6.0	4.4	5.2
25	12.9	8.6	10.3	---	---	---	---	---	---	6.3	3.9	4.9
26	13.0	7.3	9.9	---	---	---	---	---	---	7.4	4.4	5.8
27	11.4	8.1	9.7	---	---	---	---	---	---	6.2	5.3	5.7
28	12.7	8.2	10.0	---	---	---	---	---	---	6.7	5.1	5.8
29	12.1	8.5	10.2	---	---	---	---	---	---	8.0	5.9	6.9
30	11.0	8.6	9.8	---	---	---	---	---	---	7.9	6.5	7.2
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	20.0	6.6	11.1	20.0	7.1	12.3	17.1	7.4	11.6	13.3	3.9	6.8
YEAR	20.0	3.9	10.6									

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BEST COPY AVAILABLE

03234500 SCIOTO RIVER AT HIGBY, OH--Continued
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	854	614	462	757	646	---	---		---	722	808	826
2	884	616	472	779	651	---	---		---	734	816	834
3	897	632	474	792	654	---	---		---	742	793	840
4	888	661	443	774	515	---	---		---	750	811	836
5	844	624	436	729	472	---	---		---	738	689	858
6	823	597	430	747	456	---	---		---	716	716	856
7	808	614	442	752	472	---	---		---	710	774	---
8	818	628	460	755	482	---	---		---	670	783	---
9	815	637	464	762	---	---	---		---	630	722	---
10	786	634	475	784	---	---	---		---	670	642	---
11	758	578	483	770	---	---	---		---	692	624	---
12	759	577	497	764	---	---	---		---	690	616	---
13	770	518	502	764	---	675	---		---	678	660	890
14	794	---	490	778	---	645	---		---	693	700	951
15	771	626	496	794	409	640	588		702	722	678	946
16	809	608	508	798	408	625	594		720	741	701	922
17	824	555	---	800	408	575	582		744	730	700	846
18	762	546	548	802	428	482	555		753	741	703	865
19	676	546	538	800	469	456	544		723	749	712	899
20	650	548	574	816	505	417	550		725	731	712	930
21	560	561	586	844	525	287	567		756	730	742	952
22	507	570	586	873	535	335	564		722	---	811	953
23	438	572	588	872	550	348	---		720	---	825	964
24	445	570	632	807	575	396	---		710	---	802	954
25	441	528	675	484	585	---	---		707	---	739	964
26	500	531	697	513	605	---	---		713	---	749	956
27	535	554	696	549	620	406	---		728	---	766	965
28	584	388	685	570	600	405	---		690	---	751	976
29	588	410	649	585	---	360	---		716	---	772	1030
30	590	430	611	623	---	390	---		724	---	792	1010
31	608	---	731	626	---	---	---		---	213	828	---
MEAN	703	568	544	738	526	465	568		722	690	740	920

WTR YR 1984 MEAN 664 MAX 1030 MIN 213

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.8	7.6	8.1	8.1	---	---		---	8.6	8.9	8.2
2	7.6	7.8	7.6	7.9	8.0	---	---		---	8.8	8.7	8.5
3	7.7	7.8	7.6	7.9	7.9	---	---		---	8.7	8.6	8.4
4	7.7	7.8	7.6	7.9	7.9	---	---		---	8.7	8.4	8.2
5	7.6	7.7	7.6	8.1	7.8	---	---		---	8.5	8.1	8.1
6	7.7	7.8	7.6	8.1	7.8	---	---		---	8.4	8.1	8.0
7	8.0	7.9	7.6	8.1	7.9	---	---		---	8.4	8.3	---
8	7.8	7.9	7.6	8.1	7.9	---	---		---	8.3	8.4	---
9	7.7	7.8	7.6	8.1	7.9	---	---		---	8.4	8.5	---
10	7.7	7.8	7.6	8.0	7.9	---	---		---	8.3	8.7	---
11	7.7	7.8	7.6	8.1	7.9	---	---		---	8.4	8.1	---
12	7.7	7.7	7.7	8.1	7.9	---	---		---	8.4	8.2	---
13	7.7	7.7	7.6	8.1	7.9	8.0	---		---	8.6	8.4	---
14	7.7	---	7.6	8.2	7.9	8.1	---		---	8.7	8.5	---
15	7.8	7.9	7.6	8.2	7.8	8.1	8.0		9.0	8.8	8.4	---
16	7.7	7.8	7.6	8.1	7.9	8.2	8.0		9.0	8.8	8.4	---
17	7.7	7.7	---	8.1	7.9	8.1	8.0		8.9	9.0	8.3	---
18	7.7	7.7	7.9	8.0	7.9	8.1	8.1		8.8	9.0	8.2	---
19	7.7	7.7	7.9	8.0	7.9	8.1	8.1		8.8	9.1	8.2	---
20	7.8	7.7	7.9	8.1	8.0	8.0	8.1		8.6	9.1	8.4	8.7
21	7.8	7.8	7.9	8.1	8.0	7.9	8.1		8.5	8.9	8.6	8.5
22	7.8	8.0	7.9	8.1	8.0	7.9	8.1		8.3	---	9.0	8.5
23	7.7	8.0	7.9	8.0	8.0	7.9	---		8.5	---	8.9	8.2
24	7.7	8.0	8.0	8.0	8.1	---	---		8.5	---	8.7	7.9
25	7.8	7.9	7.9	8.0	8.1	---	---		8.5	---	8.2	7.8
26	7.8	8.0	7.9	8.0	8.1	---	---		8.4	---	8.0	7.7
27	7.9	8.0	7.9	8.0	8.1	7.9	---		8.5	---	8.0	7.7
28	7.9	7.9	7.9	8.0	8.1	7.9	---		8.5	---	8.2	7.7
29	7.8	7.6	7.9	8.1	---	7.9	---		8.5	---	8.9	7.8
30	7.9	7.6	7.9	8.1	---	7.9	---		8.4	---	8.8	8.0
31	7.8	---	7.9	8.1	---	---	---		---	8.6	8.4	---
MEAN	7.8	7.8	7.8	8.1	8.0	8.0	8.1		8.6	8.7	8.4	8.1

WTR YR 1984 MEAN 8.1 MAX 9.1 MIN 7.6

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BEST COPY AVAILABLE

03234500 SCIOTO RIVER AT HIGBY, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.5	13.0	7.0	1.0	2.0	---	---		---	22.5	25.0	23.0
2	19.0	13.5	6.5	1.0	2.5	---	---		---	23.0	25.5	22.5
3	19.5	14.5	6.0	1.0	3.5	---	---		---	23.0	25.5	23.5
4	19.5	12.5	6.5	1.5	2.5	---	---		---	24.0	25.5	22.5
5	19.5	11.5	7.0	1.0	1.5	---	---		---	23.0	24.0	20.5
6	19.0	11.0	7.0	2.5	1.5	---	---		---	23.0	25.0	19.5
7	18.5	10.5	6.5	3.0	1.0	---	---		---	23.5	26.0	---
8	18.5	10.0	6.0	3.0	.5	---	---		---	23.0	26.0	---
9	18.0	10.5	5.5	3.5	1.5	---	---		---	23.5	26.5	---
10	18.0	11.5	6.0	3.5	2.5	---	---		---	23.5	27.0	---
11	18.0	10.5	7.0	2.0	4.0	---	---		---	25.5	25.5	---
12	18.0	9.5	7.5	1.5	5.0	---	---		---	25.0	25.0	---
13	18.0	8.0	7.5	1.5	4.5	4.0	---		---	25.5	25.5	24.5
14	16.5	---	7.5	2.0	5.0	4.5	---		---	26.0	26.0	24.0
15	15.5	8.0	7.0	2.0	4.5	5.0	12.5		26.0	26.0	26.0	22.5
16	15.5	8.0	6.5	2.0	4.0	7.0	12.5		25.0	25.5	26.5	20.5
17	16.5	7.0	---	2.5	5.0	5.5	11.5		25.0	26.0	26.0	19.5
18	16.5	7.0	4.5	2.0	5.5	4.0	10.0		25.5	25.5	26.5	19.5
19	15.0	7.5	3.5	1.0	7.0	3.5	9.5		26.0	24.0	26.0	19.5
20	14.5	8.5	3.0	.5	7.0	4.5	9.5		25.5	24.0	25.5	20.5
21	13.5	8.5	3.0	.5	6.5	6.0	11.0		24.5	23.5	25.0	21.0
22	14.0	8.5	3.5	.5	6.5	5.0	10.5		24.5	---	25.0	22.0
23	13.5	9.0	2.0	.5	7.0	5.0	---		24.0	---	24.5	22.0
24	14.0	9.5	.5	1.5	7.0	6.0	---		24.0	---	23.5	21.5
25	14.0	8.5	.5	.5	7.5	---	---		24.0	---	23.0	21.5
26	13.0	8.0	.5	1.0	7.0	---	---		23.5	---	23.0	21.0
27	12.5	7.5	.5	1.5	6.0	8.0	---		23.5	---	23.5	18.0
28	12.5	8.5	.5	1.5	4.5	7.5	---		23.0	---	24.0	16.5
29	13.0	8.5	.5	2.0	---	6.5	---		24.0	---	24.5	16.0
30	12.5	7.5	.5	2.0	---	6.0	---		23.0	---	25.0	15.5
31	12.0	---	.5	2.0	---	---	---		---	25.0	22.5	---
MEAN	16.0	9.5	4.5	1.5	4.5	5.5	11.0		24.5	24.5	25.0	20.5

WTR YR 1984 MEAN 13.0 MAX 27.0 MIN .5

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	8.8	13.1	12.7	11.6	---	---		---	11.8	14.1	---
2	5.9	8.6	12.6	12.4	11.3	---	---		---	14.3	10.1	---
3	6.1	8.3	12.5	12.1	11.1	---	---		---	13.1	9.6	---
4	5.9	8.3	12.7	11.9	11.1	---	---		---	12.2	---	---
5	5.4	8.0	12.6	13.1	11.3	---	---		---	9.9	---	---
6	6.4	8.9	12.1	13.1	11.6	---	---		---	9.7	---	---
7	8.6	9.4	12.3	13.2	11.8	---	---		---	9.2	---	---
8	7.5	9.4	12.5	12.8	11.7	---	---		---	9.8	---	---
9	7.1	9.3	12.3	13.1	11.4	---	---		---	10.4	---	---
10	6.8	8.9	11.3	13.1	11.1	---	---		---	9.8	---	---
11	6.7	8.9	10.6	---	10.7	---	---		---	8.7	---	---
12	6.4	8.6	12.0	---	10.9	---	---		---	10.0	---	---
13	5.8	9.1	11.9	---	11.2	12.3	---		---	11.3	---	---
14	5.6	---	11.6	---	11.1	12.4	---		---	11.3	---	---
15	7.3	10.0	11.4	---	12.1	12.4	8.9		14.7	12.0	---	---
16	6.8	9.8	10.4	---	12.1	11.9	9.0		14.8	11.6	---	---
17	6.7	9.5	---	---	11.9	11.8	9.3		14.1	13.5	---	---
18	6.7	9.7	13.3	---	11.7	12.8	9.7		12.7	14.0	---	---
19	7.2	9.7	13.5	---	11.3	12.9	10.2		11.9	16.0	---	---
20	7.9	9.4	13.6	---	10.9	12.9	10.1		9.9	16.5	---	---
21	8.2	9.3	13.4	---	11.0	11.6	10.1		9.6	13.1	---	10.4
22	8.3	9.6	13.2	---	11.0	11.3	---		7.9	---	---	9.1
23	8.3	10.0	13.2	---	10.9	14.8	---		9.6	---	---	7.0
24	7.9	9.8	12.9	---	10.8	---	---		10.4	---	---	5.2
25	8.5	9.8	13.0	---	10.6	---	---		10.2	---	---	4.8
26	8.7	10.5	12.5	11.5	10.8	---	---		9.6	---	---	6.0
27	9.1	10.5	12.5	11.7	10.9	11.6	---		9.8	---	---	5.7
28	8.9	10.2	12.7	11.8	11.1	11.7	---		9.9	---	---	6.0
29	8.7	13.4	13.0	11.7	---	12.1	---		10.1	---	---	7.0
30	6.9	13.4	13.0	11.5	---	10.7	---		10.1	---	---	7.1
31	9.0	---	13.0	11.6	---	---	---		---	---	---	---
MEAN	7.3	9.6	12.5	12.3	11.3	12.2	9.6		11.0	11.8	11.3	6.8

WTR YR 1984 MEAN 10.5 MAX 16.5 MIN 4.8

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BEST COPY AVAILABLE

RESERVOIRS IN SCIOTO RIVER BASIN

03220500 O'SHAUGHNESSY RESERVOIR NEAR DUBLIN.--Lat 40°09'14", long 83°07'33", Delaware County, Hydrologic Unit 05060001, in gate house of dam on Scioto River, 4.0 mi north of Dublin. DRAINAGE AREA, 979 mi . PERIOD OF RECORD, October 1924 to current year. GAGE, water-stage recorder. Monthend contents only for some periods published in WSP 1305. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by city of Columbus). Prior to Dec. 2, 1940, nonrecording gage at same site and datum.

Reservoir is formed by concrete dam; dam completed and storage began in 1924. Usable capacity, 14,500 acre-ft, between elevations, 789.5 ft (sill of outlet gate), and 845 ft (crest of spillway), based on survey made in 1942. Flashboards installed May 8, 1945, additional capacity, 2,480 acre-ft, between elevations 845 ft (crest of spillway), and 847.9 ft (crest of flashboards). Dead storage below elevation 789.5 ft, 55 acre-ft. Figures given herein represent usable contents. Water used for municipal supply of city of Columbus and recreational purposes. Capacity table computed from data furnished by city of Columbus.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 24,240 acre-ft Jan. 22, 1959, elevation, 854.40 ft; minimum, 43 acre-ft Feb. 11, 1945, elevation, 791.97 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 19,800 acre-ft Mar. 21, elevation, 850.64 ft; minimum, 11,700 acre-ft Oct. 6, elevation, 841.09 ft.

03221500 GRIGGS RESERVOIR NEAR COLUMBUS.--Lat 40°00'54", long 83°05'38", Franklin County, Hydrologic Unit 05060001, on left abutment of dam on Scioto River, 5.2 mi northwest of State Capitol building in Columbus, and 6.5 mi upstream from Olentangy River. DRAINAGE AREA, 1,044 mi . PERIOD OF RECORD, January 1921 to current year. GAGE, water-stage recorder. Monthend contents only for some periods, published in WSP 1305. Daily readings have been obtained by city of Columbus, Division of Water, since 1908. Datum of gage is 680.38 ft National Geodetic Vertical Datum, adjustment of 1929 (levels by city of Columbus). Prior to Oct. 4, 1940 nonrecording gage at same site and datum.

Reservoir formed by concrete dam; dam completed and storage began in 1905. Usable capacity, 3,700 acre-ft between elevations, 735.4 ft (lowest outlets), and 753.4 ft (crest of spillway), based on survey made in 1935. Flashboards installed July 28, 1945, additional capacity, 750 acre-ft, between elevations, 753.4 ft (crest of spillway) and 755.6 ft (crest of flashboards). Dead storage below elevation, 735.4 ft, 239 acre-ft. Figures given herein represent usable contents. Water is used for municipal supply of city of Columbus and recreational purposes. Capacity table computed from data furnished by city of Columbus.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 7,490 acre-ft Jan. 22, 1959, elevation, 763.91 ft; minimum, 38 acre-ft Jan. 24, 1945, elevation, 735.78 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 5,180 acre-ft Apr. 6, elevation, 757.67 ft; minimum, 3,870 acre-ft Aug. 2, elevation, 753.90 ft.

03228400 HOOVER RESERVOIR AT CENTRAL COLLEGE.--Lat 40°06'30", long 82°52'59", in T.2 N., R.17 W., Franklin County, Hydrologic Unit 05060001, in gate house of dam on Big Walnut Creek, 0.5 mi northeast of Central College, and 12 mi northeast of Columbus. DRAINAGE AREA, 190 mi. PERIOD OF RECORD, March 1955 to current year. REVISED RECORDS, WRD OH-78-1: 1975 (M). GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 10, 1956, nonrecording gage at same site and datum.

Reservoir formed by earthfill dam with concrete spillway; dam completed in 1954 and storage began in March 1955. Usable capacity, 60,130 acre-ft between elevations 830.0 ft (lowest outlet), and 890.0 ft (crest of spillway). Additional flood-control storage above elevation 890.0 ft by bascule gates installed in May 1970, 25,750 acre-ft. Dead storage below elevation 830.0 ft, 214 acre-ft. Figures given herein represent usable contents. Reservoir is used for municipal supply of city of Columbus and for recreational purposes. Outflow is controlled mostly by operation of valves in tunnel through dam, but above spillway level bascule gates can be used. Capacity table computed from data furnished by city of Columbus.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 83,258 acre-ft, revised, Feb. 24, 1975, elevation, 897.26 ft; minimum, 19,010 acre-ft Mar. 1, 1964, elevation, 868.58 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 79,220 acre-ft Mar. 21, elevation, 896.12 ft; minimum, 38,780 acre-ft Sept. 30, elevation, 881.32 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
	03220500	O'SHAUGHNESSY RESERVOIR		03221500	GRIGGS RESERVOIR		03228400	HOOVER RESERVOIR	
Sept. 30.....	841.70	12,110	--	754.16	3,960	--	885.23	47,670	--
Oct. 31.....	848.08	17,140	+5,030	755.51	4,420	+460	883.07	42,530	-5,150
Nov. 30.....	849.31	18,380	+1,240	757.16	4,990	+570	889.00	57,440	+14,910
Dec. 31.....	848.23	17,290	-1,090	755.85	4,530	-460	889.75	59,460	+2,020
CAL YR 1983	--	--	-460	--	--	-170	--	--	+7,530
Jan. 31.....	848.24	17,300	+10	755.89	4,540	+10	889.07	57,630	-1,830
Feb. 29.....	848.30	17,360	+60	755.95	4,560	+20	891.23	63,510	+5,880
Mar. 31.....	848.93	17,990	+630	756.58	4,780	+220	893.84	71,370	+7,860
Apr. 30.....	848.60	17,660	-330	755.99	4,580	-200	893.33	69,720	-1,650
May 31.....	848.34	17,400	-260	755.76	4,500	-80	893.32	69,690	-30
June 30.....	848.07	17,130	-270	755.49	4,410	-90	890.50	61,490	-8,200
July 31.....	847.91	16,980	-150	754.19	3,970	-440	885.64	48,710	-12,780
Aug. 31.....	844.90	14,420	-2,560	755.35	4,360	+390	884.52	45,940	-2,770
Sept. 30.....	843.50	13,380	-1,040	754.33	4,010	-350	881.32	38,780	-7,160
WTR YR 1984	--	--	+1,270	--	--	+50	--	--	-8,900

03237280 UPPER TWIN CREEK AT MCGAW, OH

(HYDROLOGIC BENCH-MARK STATION)

LOCATION.--Lat 38°38'37", long 83°12'57", Scioto County, Hydrologic Unit 05090201, on right bank, 0.3 mi downstream from Brown Run 0.3 mi upstream from Tucker Run, 0.7 mi upstream from bridge on U.S. Highway 52 at McGaw, 2.7 mi northeast of Buena Vista, and 3.2 mi upstream from mouth.

DRAINAGE AREA.-- 12.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 543.41 ft National Geodetic Vertical Datum of 1929. Ohio Department of Highways bench mark. Prior to July 21, 1972 at site 0.7 mi downstream at datum 23.41 ft lower.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--21 years, 13.6 ft³ /s, 15.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,500 ft³ /s Mar. 4, 1964, gage height, 9.7 ft, in gage well, 10.2 ft, from outside highwater mark from rating curve extended above 300 ft³/s on basis of slope-area measurement of peak flow; no flow for many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 3, 1960 reached a stage of 11.62 ft, discharge, 7,230 ft³/s, on basis of contracted-opening and flow over road measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 450 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 22	2145	911	2.37	Mar. 28	1545	711	2.12
Mar. 20	1930	*1590	*3.22	Apr. 22	1130	578	1.93

No flow all or part of each day Oct. 1-12, 14-18, Sept. 3, 5-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.7	7.7	2.4	11	23	12	11	2.0	.25	1.1	.02
2	.00	1.7	6.6	2.3	12	18	20	10	1.7	.12	.86	.02
3	.00	2.4	6.2	2.2	17	16	19	19	1.5	.12	.86	.00
4	.00	3.0	74	2.0	22	15	78	59	1.3	.02	.64	.02
5	.00	3.0	40	1.9	19	20	163	44	1.1	.25	.46	.00
6	.00	3.2	72	1.8	14	23	122	52	1.1	.25	.64	.00
7	.00	3.2	45	1.7	11	18	48	33	.86	.36	.46	.00
8	.00	3.2	26	1.6	9.4	16	29	47	.86	.96	.25	.00
9	.00	3.2	21	1.5	9.4	11	22	32	.86	.96	.25	.00
10	.00	8.9	44	1.4	9.4	9.8	19	13	.64	.54	.86	.00
11	.00	17	31	1.4	11	9.4	18	7.7	.64	.96	1.5	.00
12	.00	6.6	25	1.3	11	8.1	16	5.9	2.4	2.2	1.5	.00
13	.01	4.4	17	1.3	13	7.7	16	4.1	1.7	1.5	1.5	.00
14	.00	3.8	14	1.2	48	7.7	16	3.5	1.3	1.1	1.3	.00
15	.00	5.0	11	1.2	30	7.3	16	3.0	.86	2.4	1.1	.00
16	.00	14	11	1.1	22	8.1	16	3.0	.86	4.1	.86	.00
17	.00	16	8.9	1.1	17	7.7	16	3.0	.64	3.2	.46	.00
18	.00	7.7	8.1	1.0	12	16	16	3.0	.46	2.4	1.5	.00
19	.02	5.6	6.9	.98	14	26	18	3.0	.46	2.0	2.4	.00
20	1.5	5.0	6.2	.96	13	290	17	3.0	.25	1.5	1.7	.00
21	22	4.7	5.9	.92	11	178	33	2.7	.12	1.3	1.3	.00
22	63	4.1	47	.84	9.8	56	240	2.4	.02	1.1	1.1	.00
23	44	3.8	39	.78	8.9	27	118	2.7	.25	1.1	.86	.00
24	42	3.8	21	56	8.1	18	50	2.4	1.3	.86	.46	.12
25	17	3.8	2.0	46	9.8	17	29	2.2	1.5	.64	.46	.12
26	5.0	3.5	1.8	27	8.9	16	21	2.2	.86	.86	.25	.25
27	3.8	3.2	1.6	21	9.4	14	17	2.4	1.0	2.0	.12	.25
28	3.0	48	1.9	16	36	85	16	2.4	.76	2.0	.02	.25
29	2.4	28	2.6	13	32	75	14	2.7	.56	1.5	.25	.86
30	2.2	12	2.7	12	---	32	13	2.4	.26	1.3	.02	.86
31	2.0	---	2.6	13	---	18	---	2.2	---	1.1	.02	---
TOTAL	207.93	233.5	609.7	236.88	459.1	1091.8	1248	385.9	28.10	39.25	25.06	2.77
MEAN	6.71	7.78	19.7	7.64	15.8	35.2	41.6	12.4	.94	1.27	.81	.092
MAX	63	48	74	56	48	290	240	59	2.4	4.1	2.4	.96
MIN	.00	1.7	1.6	.78	8.1	7.3	12	2.2	.02	.02	.02	.00
CFSM	.55	.64	1.62	.63	1.30	2.89	3.41	1.02	.08	.10	.07	.008
IN.	.63	.71	1.86	.72	1.40	3.33	3.81	1.18	.09	.12	.08	.01

CAL YR 1983 TOTAL 5569.38 MEAN 15.3 MAX 584 MIN .00 CFSM 1.25 IN 16.98
WTR YR 1984 TOTAL 4567.99 MEAN 12.5 MAX 290 MIN .00 CFSM 1.03 IN 13.93

03237280 UPPER TWIN CREEK AT MCGAW, OH--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to current year.

PERIOD OF RECORD.--
WATER TEMPERATURES: Water years 1963-66, 1967-70, 1972-1982.
SUSPENDED SEDIMENT DISCHARGE: Water years 1964-69 (periodic), 1969 to 1973 (daily), 1974 to current year (periodic).

INSTRUMENTATION.--Water temperature recorder since July 1972.

REMARKS.--Water temperature unavailable for 1983 water year due to malfunction of the instrument or probe out of water.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 36.0°C July 20, 21, 1977; minimum, 0.0°C on many days during winter periods.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
15...	1100	4.1	95	6.4	8.0	8.5	<1.0	11.6	103	90
DEC										
12...	1400	28	70	6.9	5.0	9.0	3.2	10.8	96	44
FEB										
08...	1200	8.5	85	6.7	1.0	1.0	1.5	13.8	101	4
MAY										
01...	1200	11	82	6.6	15.0	14.5	1.4	11.2	111	14
JUL										
06...	1000	.18	120	6.9	24.5	22.5	<1.0	6.7	80	120
AUG										
08...	0930	.14	128	6.7	25.0	21.0	.30	5.8	66	21

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV										
15...	360	35	19	6.1	4.8	2.3	1.7	16	25	1.9
DEC										
12...	150	27	15	4.4	3.9	2.2	1.6	12	22	1.5
FEB										
08...	11	29	21	4.7	4.3	2.8	1.4	8.0	27	1.9
MAY										
01...	32	30	21	4.8	4.3	2.4	1.7	9.0	26	1.4
JUL										
06...	700	42	23	7.1	6.0	3.6	2.5	19	35	2.6
AUG										
08...	240	46	25	7.9	6.5	3.8	2.6	22	31	2.9

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV										
15...	.10	8.4	60	.330	.140	.18	1.9	.010	.010	<.010
DEC										
12...	<.10	9.1	51	2.20	.110	.14	.10	.030	.030	<.010
FEB										
08...	<.10	8.6	63	.270	.060	.08	.40	.020	<.010	<.010
MAY										
01...	<.10	10	70	.220	.010	.01	.30	<.030	<.020	.010
JUL										
06...	<.10	10	88	.310	<.010	--	.10	.030	<.010	<.010
AUG										
08...	<.10	11	87	.180	<.010	--	<.10	.010	.010	<.010

03237280 UPPER TWIN CREEK AT MCGAW, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
NOV 15...	1100	4.1	10	<1	31	<.5	<1	<1	<3	5
MAY 01...	1200	11	<10	1	27	<1	<1	<1	<3	2

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)
NOV 15...	11	4	<4	<1	.1	<10	<1	<1	<1	40
MAY 01...	7	1	<4	1	.2	<10	3	<1	<1	46

DATE	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV 15...	<6	10	--	--	--	--	--	--	--	--
MAY 01...	<6	11	<1.0	<.4	2.0	<.4	1.8	<.4	.09	.03

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 15...	1100	4.1	8.5	7	.08
DEC 12...	1400	28	9.0	36	2.7
FEB 08...	1200	8.5	1.0	4	.09
MAY 01...	1200	11	14.5	<1	--
JUL 06...	1000	.18	22.5	<1	--
AUG 08...	0930	.14	21.0	<1	--

03237500 OHIO BRUSH CREEK NEAR WEST UNION, OH

LOCATION.--Lat 38°48'13", long 83°25'16", Adams County, Hydrologic Unit 05090201, on right bank at downstream side of bridge on State Highway 348, 0.3 mi downstream from Cedar Run, 7.0 mi east of West Union, and 7.1 mi upstream from Beasley Fork.

DRAINAGE AREA.--387 mi^2.

PERIOD OF RECORD.--August 1926 to November 1935 September 1940 to current year.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 510.6 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 22, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods which are fair. Water-quality data collected at this site 1965 to 1977; Sediment data collected 1969 to 1974.

AVERAGE DISCHARGE.--53 years, 455 ft^3/s, 15.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,200 ft^3/s Mar. 10, 1964, gage height, 27.91 ft, from rating curve extended above 22,000 ft^3/s on basis of slope-area measurement at gage heights 22.70 ft, 26.5 ft, and 27.91 ft; no flow Sept. 13-23, 27, 28, 1955 and for part of each day Sept. 17, 18, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft^3/s and maximums (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	1115	15200	15.23	Apr. 22	1845	12400	13.79
Mar. 29	0100	*15900	*15.59				

Minimum discharge, 0.48 ft^3/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.57	65	368	190	235	492	562	221	128	12	17	4.7
2	.57	61	282	160	293	436	445	181	115	11	12	4.2
3	.57	110	271	150	1270	589	414	393	97	10	10	4.0
4	.55	108	4130	140	1080	468	1590	860	83	9.7	196	4.0
5	.72	93	1330	120	547	1210	3440	526	68	14	260	3.5
6	.80	75	1050	110	380	1340	2960	436	57	18	62	3.7
7	.80	64	814	100	242	633	1120	756	50	52	38	3.7
8	.92	56	473	92	190	459	661	3530	42	42	115	4.0
9	1.0	51	427	84	202	356	511	1590	36	36	147	3.7
10	1.1	49	807	76	205	297	432	690	31	21	59	4.2
11	1.4	69	532	72	557	300	360	464	28	16	32	3.7
12	1.3	81	744	66	672	249	304	360	25	25	97	3.5
13	2.2	81	526	60	901	308	300	311	23	34	70	3.2
14	3.2	66	423	56	3260	860	304	260	21	24	36	3.2
15	2.9	284	432	52	994	507	263	218	19	23	22	3.3
16	4.2	594	337	48	578	726	228	179	17	68	15	3.3
17	4.0	511	256	44	450	644	252	152	16	76	11	3.7
18	17	292	268	41	372	507	330	135	14	38	600	4.2
19	14	195	184	38	376	464	341	123	13	21	282	4.2
20	59	165	144	36	376	1130	278	112	14	14	102	4.0
21	3040	224	154	34	290	6620	562	102	152	9.9	53	4.0
22	1130	217	1230	32	238	2410	6570	95	105	7.4	81	4.0
23	4770	183	690	30	208	1220	2630	1190	48	6.3	39	4.0
24	1830	1470	311	2500	190	720	2000	684	115	5.0	22	14
25	1270	484	202	1710	187	702	936	278	139	5.6	16	360
26	458	276	193	661	181	950	595	252	59	10	12	74
27	249	204	130	406	165	584	445	322	31	263	9.9	31
28	163	6770	150	315	972	4150	356	196	23	81	8.3	19
29	116	1300	400	249	788	5330	293	468	17	31	7.0	13
30	99	568	300	231	---	1440	256	278	15	23	5.9	9.9
31	72	---	230	356	---	788	---	179	---	21	5.9	---
TOTAL	13304.80	14766	17729	8259	16399	36889	29838	15541	1602	1027.9	2443.0	608.9
MEAN	429	492	572	266	565	1190	995	501	53.4	33.2	78.8	20.3
MAX	4770	6770	4130	2500	3260	6620	6670	3530	152	263	600	360
MIN	.55	49	130	30	165	249	228	95	13	5.0	5.9	3.2
CFSM	1.11	1.27	1.48	.69	1.46	3.08	2.57	1.30	.14	.09	.20	.05
IN.	1.28	1.42	1.70	.79	1.58	3.55	2.87	1.49	.15	.10	.23	.06

CAL YR 1983 TOTAL 161143.25 MEAN 441 MAX 12200 MIN .28 CFSM 1.14 IN 15.49
WTR YR 1984 TOTAL 158406.60 MEAN 433 MAX 6770 MIN .55 CFSM 1.12 IN 15.23

03238500 WHITEOAK CREEK NEAR GEORGETOWN, OH

LOCATION.--Lat 38°51'29", long 83°55'43", Brown County, Hydrologic Unit 05090201, on left bank 150 ft upstream from diversion dam for Georgetown water treatment plant, 0.7 mi upstream from Town Run, 1.4 mi southwest of Georgetown, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--218 mi².

PERIOD OF RECORD.--October 1923 to November 1935, October 1939 to current year.

REVISED RECORDS.--WSP 728: 1924-31. WSP 758: 1933. WSP 1908: Drainage area. WRD OH-74-1: 1973 (P)

GAGE.--Water-stage recorder. Datum of gage is 604.20 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 12, 1972 nonrecording gage at a site 1.0 mi downstream at datum 35.24 ft lower. See WSP 2108 for history of changes prior to Dec. 8, 1940.

REMARKS.--Records fair except those below 30 ft³/s and for periods of doubtful gage height record, October 23-26 and Jan. 25 to Mar. 20 which are poor. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1970 to 1974.

AVERAGE DISCHARGE.--57 years, 259 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s Mar. 10, 1964; maximum gage height, 20.87 ft May 14, 1933, site and datum then in use; no flow at times in 1930, 1940-41, 1943, 1948, 1951-53, 1959, 1969, 1970, 1976-1978, 1983, 1984.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 23	1400	6400	6.42	Mar. 29	0430	7140	6.67
Nov. 28	1600	7360	6.74	Apr. 22	2100	*7390	*6.75
Mar. 21	0530	6900	6.59				

Minimum daily discharge, no flow Oct. 1-3, Sept. 16, 17, 20-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	39	149	62	120	200	161	72	82	6.5	8.7	3.4
2	.00	34	108	60	120	190	128	57	61	6.5	5.5	3.4
3	.00	31	104	58	760	300	116	72	46	5.5	5.5	3.8
4	1.5	39	3110	56	600	220	431	441	36	5.5	5.5	4.3
5	10	49	869	54	280	1700	2360	288	29	8.7	5.5	1.2
6	7.6	46	808	52	180	1400	1920	238	26	46	3.4	.50
7	1.5	31	667	50	130	290	422	268	24	39	2.3	.56
8	3.4	29	215	48	100	170	199	2630	24	49	76	.03
9	6.5	22	166	46	94	130	141	890	22	24	39	.07
10	5.5	22	331	43	98	96	120	232	22	14	29	2.0
11	2.3	67	243	40	110	89	100	141	24	10	190	2.4
12	4.3	79	536	38	280	79	79	104	22	14	67	2.1
13	4.3	79	316	37	2400	180	76	89	20	22	26	1.3
14	67	57	204	36	2000	720	86	79	18	16	14	1.1
15	61	61	243	34	700	390	93	69	18	11	11	.18
16	26	170	170	34	320	470	86	57	18	24	7.6	.00
17	13	441	116	33	230	390	104	42	20	42	4.3	.00
18	11	220	104	33	190	300	180	36	20	16	268	.56
19	268	141	64	32	160	240	180	31	20	8.7	157	.03
20	275	108	42	31	140	1200	133	29	18	5.5	46	.00
21	4970	262	53	30	100	5280	492	26	16	5.5	20	.00
22	2790	180	769	29	74	1410	5430	26	49	4.3	14	.00
23	5600	514	464	29	61	624	2630	1750	26	3.4	11	.00
24	2200	2850	140	700	49	262	2100	506	20	2.3	6.7	17
25	860	658	120	1600	46	331	492	133	57	2.3	6.0	92
26	330	170	100	270	42	606	232	89	26	6.5	4.6	33
27	153	128	100	200	46	232	153	82	16	34	3.1	14
28	124	5780	170	150	460	1810	116	89	11	26	2.2	5.8
29	89	1910	100	120	380	4050	89	1460	8.7	49	.40	4.4
30	53	256	80	110	---	583	79	249	6.5	16	1.2	3.0
31	42	---	70	130	---	249	---	126	---	18	1.5	---
TOTAL	17978.90	14473	10731	4245	10270	24191	18928	10395	806.2	533.2	1032.00	197.23
MEAN	580	482	346	137	354	780	631	335	26.9	17.2	33.3	6.57
MAX	5600	5780	3110	1600	2400	5280	5430	2630	82	49	268	92
MIN	.00	22	42	29	42	79	76	26	6.5	2.3	.40	.00

CAL YR 1983 TOTAL 105981.47 MEAN 290 MAX 5780 MIN .00
WTR YR 1984 TOTAL 113780.53 MEAN 311 MAX 5780 MIN .00

03240000 LITTLE MIAMI RIVER NEAR OLDTOWN, OH

LOCATION.--Lat 39°44'54", long 83°55'53", in sec. 34, R.7, T.4, Greene County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on U.S. Highway 68, 0.8 mi downstream from Conner Branch, 0.9 mi upstream from Massies Creek, 1.3 mi northeast of Oldtown, and at mile 82.25.

DRAINAGE AREA.--129 mi².

PERIOD OF RECORD.--July 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 816.56 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for the winter period, which are fair. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1952 to 1958.

AVERAGE DISCHARGE.--32 years, 117 ft³/s, 12.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft³/s Jan. 21, 1959, gage height, 12.20 ft, from rating curve extended above 4,400 ft³/s on basis of slope area measurements of peak flow; minimum, 5.4 ft³/s July 29, 1954, result of temporary storage at rock dam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 800 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 14	0900	* 1,280	5.40	Mar. 21	1730	1,060	4.90
Mar. 16	2015	1,250	5.33	Apr. 5	0715	1,100	5.01

Minimum discharge, 11 ft³/s Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	34	154	70	69	80	203	110	143	50	31	19
2	16	37	132	70	102	74	182	255	127	51	29	18
3	14	65	126	68	561	74	183	232	117	49	32	20
4	18	67	332	66	326	74	297	183	104	67	53	26
5	25	58	392	62	165	90	960	185	98	124	39	25
6	19	51	315	58	100	216	771	176	95	111	35	20
7	17	46	290	56	74	188	466	222	90	106	32	19
8	17	42	207	54	70	163	335	189	85	79	54	19
9	15	39	170	52	68	110	272	157	81	66	43	17
10	14	40	155	50	68	90	228	145	76	61	34	20
11	16	90	178	48	495	86	197	129	73	57	77	22
12	14	130	377	47	262	84	178	120	70	53	51	18
13	45	89	316	46	413	82	179	110	69	48	40	16
14	35	73	242	45	1010	82	167	102	75	46	37	25
15	24	68	204	44	493	130	162	96	67	42	31	25
16	22	78	166	43	326	947	157	92	63	44	30	23
17	20	83	139	42	262	763	154	91	63	41	24	18
18	24	88	125	41	223	441	152	87	65	39	31	18
19	26	73	115	40	201	339	144	135	67	42	36	17
20	36	70	100	39	171	324	135	181	61	36	30	21
21	78	68	98	39	147	915	127	291	87	38	26	18
22	64	64	94	38	130	787	162	395	76	37	25	14
23	93	110	90	38	119	516	292	237	72	32	30	16
24	92	300	88	250	112	417	324	183	126	36	26	27
25	70	183	86	340	114	373	240	152	90	36	24	19
26	55	131	84	189	105	434	194	139	70	36	21	23
27	48	110	82	184	100	337	168	291	65	38	23	29
28	43	440	78	110	90	303	148	242	61	35	25	20
29	38	354	76	78	84	371	126	183	55	34	23	19
30	36	209	74	69	---	287	112	170	53	31	23	17
31	35	---	72	61	---	231	---	160	---	30	21	---
TOTAL	1081	3290	5157	2437	6460	9408	7415	5440	2444	1595	1036	608
MEAN	34.9	110	166	78.6	223	303	247	175	81.5	51.5	33.4	20.3
MAX	93	440	392	340	1010	947	960	395	143	124	77	29
MIN	12	34	72	38	68	74	112	87	53	30	21	14
CFSM	.27	.85	1.29	.61	1.73	2.35	1.92	1.36	.63	.40	.26	.16
IN.	.31	.95	1.49	.70	1.86	2.71	2.14	1.57	.70	.46	.30	.18

CAL YR 1983 TOTAL 41310 MEAN 113 MAX 2130 MIN 12 CFSM .88 IN 11.91
WTR YR 1984 TOTAL 46371 MEAN 127 MAX 1010 MIN 12 CFSM .98 IN 13.37

03241500 MASSIES CREEK AT WILBERFORCE, OH

LOCATION.--Lat 39°43'22", long 83°52'58", Greene County, Hydrologic Unit 05090202, on left bank at bridge on Wilberforce-Clifton Road, 0.5 mi northwest 200 ft of Wilberforce, 0.6 mi downstream from unnamed right bank tributary and 1.7 mi upstream from Clark Run.

DRAINAGE AREA.--63.2 mi².

PERIOD OF RECORD.--September 1952 to current year. Prior to October 1962, published as Massie Creek at Wilberforce.

REVISIONS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 865.15 ft National Geodetic Vertical Datum of 1929, Aug. 4, 1972 to Sept. 30, 1979 at sight 150 ft downstream at same datum.

REMARKS.--Records fair except those for the winter period, which are poor. Water-quality data collected at this site 1965 to 1977. Sediment data collected 1952 to 1958.

AVERAGE DISCHARGE.--32 years, 62.9 ft³/s, 13.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,300 ft³/s Jan. 21, 1959, Mar. 4, 1963, gage height, 11.25 ft, from rating curve extended above 3,100 ft³/s; minimum, 0.3 ft³/s Sept. 3-7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 600 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 24	1600	ice jam	*5.32	Mar. 16	2030	690	5.06
Feb. 13	1930	*761	5.26	Mar. 21	1830	675	5.04

Minimum, 3.4 ft /s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	11	106	32	37	42	110	54	50	13	8.1	5.9
2	3.9	11	91	31	61	39	93	57	44	13	7.2	7.2
3	4.1	20	85	30	289	38	92	96	41	13	7.6	9.5
4	5.7	20	260	29	184	39	165	169	35	25	23	9.0
5	6.9	18	275	28	98	45	509	115	34	76	17	8.5
6	5.4	16	219	27	50	140	433	107	34	93	13	5.9
7	4.9	15	200	27	36	109	240	112	31	101	12	6.8
8	4.3	13	141	26	34	91	169	137	30	63	18	6.8
9	4.3	12	112	25	33	60	130	141	29	39	36	6.8
10	4.6	13	103	24	33	48	107	107	27	31	23	7.6
11	4.6	47	112	23	199	46	88	90	26	27	28	7.2
12	4.6	57	214	23	134	46	75	81	24	24	26	7.2
13	19	40	181	23	292	46	76	69	24	23	15	6.3
14	9.4	31	146	22	625	46	73	62	22	19	11	15
15	5.1	30	118	21	303	46	71	53	20	19	9.5	15
16	4.6	32	107	21	197	606	68	52	18	18	7.6	11
17	4.3	33	85	21	158	436	65	46	17	16	9.5	9.0
18	6.0	33	74	21	139	250	66	46	21	15	12	8.5
19	8.6	31	60	20	123	191	66	46	24	14	11	8.1
20	16	29	52	20	101	218	60	46	24	12	9.0	7.2
21	48	26	50	20	86	588	57	57	22	13	8.1	7.2
22	31	25	47	20	73	450	92	52	20	12	11	7.2
23	57	91	44	25	70	297	211	92	20	11	12	8.1
24	48	211	42	60	65	235	206	87	37	11	9.0	11
25	35	117	40	170	63	232	143	66	30	12	5.9	13
26	25	78	38	91	58	235	112	60	23	15	7.2	15
27	20	62	37	86	52	182	93	50	22	16	6.8	11
28	17	309	36	58	47	191	81	66	20	12	6.8	8.5
29	15	252	35	45	45	247	68	88	16	10	7.2	7.6
30	12	145	34	38	---	174	65	69	14	9.0	7.6	7.6
31	11	---	33	34	---	132	---	57	---	9.5	5.5	---
TOTAL	448.9	1828	3177	1141	3685	5545	3884	2430	799	784.5	390.6	264.7
MEAN	14.5	60.9	102	36.8	127	179	129	78.4	26.6	25.3	12.6	8.82
MAX	57	309	275	170	625	606	509	169	50	101	36	15
MIN	3.6	11	33	20	33	38	57	46	14	9.0	5.5	5.9
CFSM	.23	.96	1.61	.58	2.01	2.83	2.04	1.24	.42	.40	.20	.14
IN.	.26	1.08	1.87	.67	2.17	3.26	2.29	1.43	.47	.46	.23	.16

CAL YR 1983 TOTAL 23217.1 MEAN 63.6 MAX 1460 MIN 3.6 CFSM 1.01 IN 13.67
WTR YR 1984 TOTAL 24377.7 MEAN 66.6 MAX 625 MIN 3.6 CFSM 1.05 IN 14.35

BEST COPY AVAILABLE

03245500 LITTLE MIAMI RIVER AT MILFORD, OH

NATIONAL STREAM-QUALITY ACCOUNTING NETWORK STATION

LOCATION.--Lat 39°10'17", long 84°17'53", Clermont County, Hydrologic Unit 05090202, on right bank 500 ft downstream from Wooster Pike Bridge on U.S. Highway 50 in Milford, 1.2 mi upstream from East Fork, 6.4 mi downstream from North Branch Creek, and at mile 12.9.

DRAINAGE AREA.--1,203 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1915 to September 1917, October 1917 to May 1920 (gage heights only), March 1925 to September 1936, October 1938 to current year. Monthly discharge only for some periods, published in WSP 1305, published as "at Miamiville" 1915-20.

REVISED RECORDS.--WSP 728: 1931. WSP 743: 1932. WSP 873: 1925-36. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 494.35 ft National Geodetic Vertical Datum, adjustment of 1929. June 22, 1915, to May 14, 1920, nonrecording gage at site 4 mi upstream at different datum. Mar. 11, 1925, to Aug. 16, 1928, nonrecording gage at bridge 500 ft upstream at datum 5.72 ft higher. Aug. 17, 1928 to Sept. 30, 1977 water-stage recorder at same site at datum 5.00 ft higher.

REMARKS.--Records good except those for winter period which are fair. Some regulation since 1948 by Cowan Lake, capacity 12,000 acre-ft, 45 mi upstream on Cowan Creek, tributary to Todd Fork, and Caesar Creek Lake capacity 242,200 acre-ft 41.3 mi upstream on Caesar Creek.

AVERAGE DISCHARGE.--59 years, (1915-17, 1925-36, 1938-84), 1,248 ft³/s, 14.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 84,100 ft³/s Jan. 22, 1959, gage height, 27.30 ft present datum, from rating curve extended above 60,000 ft³/s on basis of slope-area measurement of peak flow; minimum observed, 27 ft³/s Sept. 18, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 30.5 ft, present datum, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 13	2400	*18,800	*14.14	Mar. 28	2000	16,000	13.29

Minimum daily discharge, 138 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	351	2670	700	538	915	1880	997	1050	304	201	148
2	140	373	1630	660	624	915	1520	915	908	298	205	148
3	138	561	1540	620	2720	937	1460	2450	809	284	218	218
4	192	944	5550	600	3520	901	2630	5170	730	485	218	222
5	236	908	3920	580	2160	4710	9520	3190	648	1690	257	265
6	232	816	4000	540	1650	4340	9210	3160	583	1890	396	211
7	225	578	3840	500	1270	3100	6250	2570	561	1800	265	195
8	179	517	2500	480	796	2650	4350	3360	527	1130	2720	173
9	159	490	1850	460	595	1680	2330	3460	495	654	1100	152
10	151	544	1430	460	589	1310	1750	2130	460	485	612	188
11	145	1000	1410	450	1470	1250	1440	1580	420	415	373	170
12	140	1230	2560	450	2030	1140	1180	1530	391	373	420	154
13	667	930	2500	440	5490	1600	1210	1420	382	346	316	159
14	1100	830	2550	440	10900	2670	1140	1310	387	316	265	153
15	464	997	2280	440	5530	2430	1070	974	511	296	239	304
16	296	1500	1500	440	4250	6610	1220	865	391	284	222	533
17	239	1320	1250	469	3680	5220	2380	803	364	259	215	321
18	538	967	1040	459	2960	3900	2280	837	368	251	401	250
19	691	809	982	396	1830	3180	2010	809	391	250	338	198
20	1710	782	908	364	1660	5440	1510	776	538	239	257	179
21	5000	937	830	338	1390	10800	1580	830	1120	228	222	159
22	2220	915	1410	325	1250	7910	9000	930	762	225	208	153
23	4000	5020	1180	382	1070	6000	6440	3870	538	218	225	164
24	2330	5460	717	3030	886	4340	6000	2770	769	211	246	469
25	2330	2390	572	4780	989	3370	4700	1920	667	236	211	280
26	1530	1990	691	2680	1000	3510	2910	1870	495	261	192	397
27	915	1820	816	2320	908	3230	1720	1280	410	387	179	312
28	730	9570	1500	1350	1040	8170	1420	1610	368	368	170	257
29	595	4470	2620	908	1050	7280	1230	2890	342	261	159	236
30	459	3230	1100	796	---	4650	1080	1750	321	232	162	201
31	373	---	800	618	---	2720	---	1200	---	215	156	---
TOTAL	28264	52249	58146	27475	63845	116878	92420	59226	16715	14891	11368	6979
MEAN	912	1742	1876	886	2202	3770	3081	1911	557	480	367	233
MAX	5000	9570	5550	4780	10900	10800	9520	5170	1120	1890	2720	533
MIN	138	351	572	325	538	901	1070	776	321	211	156	148
CFSM	.76	1.45	1.56	.74	1.83	3.13	2.56	1.59	.46	.40	.31	.19
IN.	.87	1.62	1.80	.85	1.97	3.61	2.86	1.83	.52	.46	.35	.22

CAL YR 1983 TOTAL 508686 MEAN 1394 MAX 26900 MIN 123 CFSM 1.16 IN 15.73
WTR YR 1984 TOTAL 548456 MEAN 1499 MAX 10900 MIN 138 CFSM 1.25 IN 16.96

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1975 to current year.
pH: May 1975 to current year.
WATER TEMPERATURES: May 1975 to current year.
DISSOLVED OXYGEN: May 1975 to current year.
SUSPENDED SEDIMENT DISCHARGE: January 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since May 1975. Prior to May 1975, sampling site was 4.2 mi upstream.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,200 micromhos Feb. 12, 1977, Dec. 23, 1981; minimum, 194 micromhos July 10, 1980.
pH: Maximum, 9.3 units June 10, 1977; minimum, 6.6 units Mar. 5, 1980.
WATER TEMPERATURES: Maximum, 33.0°C July 8, 18, 20, 1977; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN: Maximum, >20.0 mg/L July 18, 19, 1978 July 16-19, 31, 1984; minimum 3.3 mg/L May 20, 1982.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 4,850 mg/L Aug. 8, 1984; minimum daily mean, 1.0 mg/L several days in 1979, 1980, 1982, 1983, 1984.
SEDIMENT LOADS: Maximum daily, 185,000 tons Sept. 14, 1979; minimum daily, 0.85 tons Dec. 15, 1982.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1190 micromhos Jan. 24; minimum, 248 micromhos Oct. 21.
pH: Maximum, 9.1 units July 31, Aug. 1; minimum, 7.6 units May 23,24.
WATER TEMPERATURES: Maximum, 29.5°C June 14, 19; minimum, 0.0°C on several days during the winter period.
DISSOLVED OXYGEN: Maximum, >20.0 mg/L July 16-19, 31; minimum, 4.6 mg/L June 20.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 4,850 mg/L Aug. 8; minimum daily mean, 1.0 mg/L Mar. 4.
SEDIMENT LOADS: Maximum daily, 42,800 tons Aug. 8; minimum daily, 2.4 tons Mar. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
OCT											
25...	1100	2440	20	1	71	<.5	<1	<1	<3	9	21
DEC											
14...	1330	2540	80	1	73	<.5	<1	<1	<3	8	8
FEB											
22...	0930	1260	--	--	--	--	--	--	--	--	--
MAY											
02...	1230	922	<10	1	90	<1	<1	<1	<3	6	7
JUN											
27...	1000	415	20	2	90	<1	<1	1	<3	8	14
AUG											
14...	0930	269	--	--	--	--	--	--	--	--	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT											
25...	2	4	4	.2	<10	1	<1	3	240	<6	16
DEC											
14...	3	<4	4	.2	<10	3	<1	<1	350	<6	98
FEB											
22...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	2	7	6	.2	<10	3	<1	<1	370	<6	7
JUN											
27...	2	6	14	.2	<10	2	<1	1	380	<6	11
AUG											
14...	--	--	--	--	--	--	--	--	--	--	--

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 25...	1100	2440	470	8.0	10.0	14.5	40	9.3	93	1700
DEC 14...	1330	2540	520	8.1	5.5	7.0	14	11.4	98	6000
FEB 22...	0930	1260	610	8.1	1.0	5.5	12	11.4	93	2800
MAY 02...	1230	922	675	8.3	10.0	15.5	1.5	13.2	136	3400
JUN 27...	1000	415	700	8.0	21.0	23.5	45	6.8	83	12000
AUG 14...	0930	269	775	8.1	20.5	25.5	28	7.8	98	500

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 25...	2600	56	19	13	11	.4	3.3	160	43	27
DEC 14...	2000	64	23	13	10	.4	2.7	182	44	30
FEB 22...	3200	73	25	17	11	.4	2.7	212	48	38
MAY 02...	620	81	28	24	14	.6	2.3	244	51	45
JUN 27...	2000	76	26	28	17	.7	3.7	230	50	51
AUG 14...	1600	76	27	36	20	.9	3.7	247	55	66

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 25...	.20	6.8	285	2.90	.520	.67	1.1	.330	.190	.190
DEC 14...	.20	6.3	324	3.20	.220	.28	.50	.150	.150	.150
FEB 22...	.20	6.1	388	4.10	.290	.37	.70	.240	.200	.190
MAY 02...	.20	1.6	477	3.20	.030	.04	1.1	.200	.160	.160
JUN 27...	.30	8.5	437	4.10	.210	.27	.40	.500	.500	.450
AUG 14...	.30	8.1	437	3.00	.090	.12	.60	.690	.560	.550

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 25...	1100	2440	14.5	80	527
DEC 14...	1330	2540	7.0	42	288
FEB 22...	0930	1260	5.5	16	54
MAY 02...	1230	922	15.5	33	82
JUN 27...	1000	415	23.5	78	87
AUG 14...	0930	269	25.5	64	46

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	794	722	761	680	656	666	488	462	476	820	718	780
2	822	772	795	734	670	703	544	488	501	752	684	708
3	828	796	814	742	704	719	564	546	556	698	674	685
4	840	746	796	704	628	667	550	358	414	682	662	670
5	780	662	708	644	568	597	448	376	419	744	658	686
6	782	706	747	578	542	553	470	438	451	772	718	752
7	800	776	792	574	552	562	474	436	455	710	642	659
8	814	792	804	614	564	576	516	470	488	644	632	637
9	816	782	796	656	608	635	556	516	529	---	---	---
10	820	778	804	656	618	641	604	550	572	---	---	---
11	854	808	829	602	542	573	616	598	609	---	---	---
12	866	794	836	606	568	583	594	512	544	---	---	---
13	804	404	573	618	556	590	538	506	522	---	---	---
14	638	550	593	590	554	574	538	506	519	---	---	---
15	616	566	595	606	588	594	532	508	514	926	706	732
16	562	476	515	580	512	539	570	528	543	742	704	721
17	486	460	472	514	488	499	600	570	587	724	694	706
18	476	336	442	574	508	542	616	594	601	720	688	703
19	590	406	500	600	560	572	640	600	620	752	704	735
20	620	274	511	612	586	595	632	614	624	778	752	769
21	368	248	295	606	588	596	640	622	629	822	774	801
22	404	326	376	604	584	592	658	590	620	842	808	828
23	370	318	339	618	266	470	604	566	583	850	830	841
24	444	378	419	382	256	330	716	604	652	1190	382	794
25	464	442	453	482	368	425	732	698	716	518	320	383
26	490	462	474	514	488	504	702	672	682	448	432	438
27	526	494	508	520	478	510	702	672	686	466	450	457
28	594	518	539	440	278	321	1010	680	781	506	462	486
29	620	590	603	436	334	376	652	504	584	530	504	514
30	624	594	606	464	436	453	588	504	543	600	526	556
31	660	620	636	---	---	---	696	590	626	664	610	637
MONTH	866	248	611	742	256	552	1010	358	569	1190	320	668

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	636	638	651	736	698	719	590	540	564	662	640	649
2	710	690	700	746	698	714	630	586	604	668	648	657
3	728	492	646	770	714	736	638	616	628	678	362	581
4	476	408	437	764	720	741	616	480	564	444	320	380
5	452	400	422	760	354	568	474	314	367	516	442	482
6	562	452	507	512	354	412	398	310	340	534	486	502
7	572	552	562	528	502	518	472	404	445	546	532	541
8	614	562	585	544	528	535	502	472	489	542	442	480
9	646	596	610	582	538	552	572	498	536	524	462	497
10	704	648	673	612	594	603	614	572	590	570	514	536
11	750	632	706	664	600	636	636	606	621	596	574	585
12	620	510	568	692	638	663	674	634	652	620	602	611
13	512	322	463	746	596	689	680	662	671	620	602	611
14	410	300	354	578	510	537	686	654	666	622	610	615
15	462	414	435	622	546	581	676	666	670	624	596	614
16	516	468	495	556	414	465	676	634	654	678	614	655
17	530	512	520	444	418	434	632	514	566	696	668	682
18	548	528	539	498	438	467	524	500	514	698	660	681
19	588	544	563	534	498	518	566	516	538	684	642	658
20	604	580	591	536	412	505	592	564	578	656	642	647
21	610	600	604	402	346	368	614	504	585	688	648	658
22	634	606	617	432	404	418	490	250	327	686	644	667
23	626	606	617	488	434	461	488	290	354	670	322	476
24	636	608	619	510	486	498	442	304	382	506	332	451
25	674	628	659	554	508	529	488	444	466	540	508	521
26	674	658	664	544	488	512	536	488	514	550	420	488
27	678	656	666	544	512	526	600	532	559	582	516	549
28	816	654	727	532	292	464	636	598	616	616	496	594
29	716	684	696	432	268	335	638	620	628	494	430	461
30	---	---	---	486	422	457	648	624	634	534	498	510
31	---	---	---	540	486	514	---	---	---	616	336	578
MONTH	816	300	583	770	268	538	686	250	544	698	320	569

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	640	606	624	810	772	788	694	588	638	886	854	868
2	670	638	653	820	792	807	648	546	608	894	862	879
3	698	672	683	830	812	822	706	564	663	916	780	878
4	718	678	696	846	730	799	746	706	727	824	636	725
5	714	688	700	770	408	596	772	702	739	898	824	875
6	712	692	703	480	404	450	800	766	783	894	870	883
7	746	704	726	490	422	449	818	672	761	892	864	879
8	756	716	730	538	452	503	688	256	380	900	866	882
9	744	722	732	560	500	522	500	326	416	912	792	862
10	746	724	734	628	562	585	536	492	514	814	736	771
11	778	740	755	702	626	662	558	500	531	774	722	738
12	786	754	771	730	706	717	572	530	545	860	782	823
13	792	758	774	762	730	743	724	580	631	892	862	877
14	808	786	795	786	752	769	794	722	772	916	866	889
15	798	770	784	806	772	786	780	722	757	896	856	874
16	822	782	804	802	678	753	726	658	685	894	806	855
17	836	796	814	760	684	716	746	474	697	798	716	762
18	816	610	721	770	684	721	774	632	741	698	564	612
19	752	664	695	780	674	722	762	680	728	590	546	558
20	808	594	767	732	680	706	796	750	772	628	562	599
21	736	446	663	726	682	705	798	676	740	660	636	648
22	582	432	509	744	696	719	706	648	670	698	646	674
23	594	540	565	740	686	711	800	714	767	774	706	735
24	626	534	576	716	686	705	828	760	794	800	274	617
25	666	592	630	732	690	708	798	768	777	774	346	590
26	708	588	635	766	690	716	822	772	794	840	788	812
27	736	702	715	806	718	772	822	778	803	838	798	821
28	718	678	697	832	756	797	844	792	816	868	828	848
29	748	712	724	792	756	776	826	782	807	852	706	774
30	788	734	764	784	704	744	864	810	831	704	638	661
31	---	---	---	754	642	705	870	832	856	---	---	---
MONTH	836	432	705	846	404	699	870	256	701	916	274	776
YEAR	1190	248	625									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.5	8.4	8.4	8.2	8.1	8.2	8.1	8.1	8.1	8.0	8.0	8.0
2	8.6	8.4	8.5	8.2	8.1	8.2	8.1	8.1	8.1	8.1	8.0	8.1
3	8.6	8.4	8.5	8.2	8.1	8.1	8.2	8.1	8.2	8.1	8.1	8.1
4	8.5	8.3	8.4	8.2	8.1	8.2	8.2	8.0	8.1	8.1	8.1	8.1
5	8.3	8.0	8.2	8.2	8.2	8.2	8.1	8.0	8.0	8.2	8.1	8.1
6	8.3	8.1	8.2	8.3	8.2	8.2	8.1	8.1	8.1	8.2	8.1	8.1
7	8.3	8.2	8.2	8.3	8.2	8.2	8.1	8.1	8.1	8.2	8.1	8.2
8	8.3	8.2	8.3	8.4	8.2	8.3	8.1	8.1	8.1	8.3	8.2	8.2
9	8.3	8.2	8.3	8.4	8.3	8.3	8.1	8.1	8.1	---	---	---
10	8.4	8.2	8.3	8.3	8.2	8.3	8.2	8.1	8.2	---	---	---
11	8.4	8.3	8.3	8.2	8.2	8.2	8.2	8.1	8.2	---	---	---
12	8.3	8.2	8.3	8.3	8.2	8.2	8.1	8.1	8.1	---	---	---
13	8.2	8.0	8.1	8.3	8.2	8.3	8.1	8.1	8.1	---	---	---
14	8.2	8.1	8.1	8.4	8.2	8.3	8.1	8.1	8.1	---	---	---
15	8.1	8.0	8.1	8.4	8.3	8.3	8.1	8.1	8.1	8.8	8.2	8.3
16	8.1	7.9	8.0	8.3	8.1	8.2	8.2	8.1	8.2	8.3	8.2	8.3
17	8.0	7.8	7.9	8.2	8.1	8.1	8.2	8.2	8.2	8.3	8.2	8.3
18	7.9	7.8	7.9	8.2	8.1	8.2	8.3	8.2	8.3	8.3	8.3	8.3
19	8.0	7.8	7.9	8.3	8.2	8.2	8.3	8.2	8.3	8.4	8.3	8.3
20	8.1	7.8	8.0	8.3	8.2	8.2	8.3	8.3	8.3	8.4	8.3	8.3
21	7.9	7.8	7.8	8.3	8.2	8.2	8.3	8.2	8.3	8.4	8.3	8.3
22	7.9	7.9	7.9	8.4	8.2	8.3	8.2	8.2	8.2	8.4	8.3	8.3
23	7.9	7.8	7.8	8.3	7.7	8.1	8.2	8.2	8.2	8.3	8.3	8.3
24	7.9	7.9	7.9	7.9	7.8	7.8	8.2	8.2	8.2	8.3	7.9	8.1
25	8.0	7.9	8.0	8.1	7.9	8.0	8.2	8.2	8.2	7.9	7.9	7.9
26	8.0	7.9	8.0	8.1	8.1	8.1	8.2	8.2	8.2	7.9	7.9	7.9
27	8.1	8.0	8.1	8.1	8.1	8.1	8.2	8.1	8.2	8.0	7.9	8.0
28	8.1	8.1	8.1	8.1	7.9	7.9	8.2	8.1	8.1	8.0	8.0	8.0
29	8.2	8.1	8.1	8.0	7.9	7.9	8.1	8.0	8.1	8.1	8.0	8.0
30	8.2	8.1	8.2	8.1	8.0	8.1	8.0	7.9	8.0	8.1	8.0	8.1
31	8.2	8.1	8.2	---	---	---	8.0	8.0	8.0	8.2	8.1	8.1
MONTH	8.6	7.8	8.1	8.4	7.7	8.2	8.3	7.9	8.2	8.8	7.9	8.2

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03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.2	8.1	8.2	8.4	8.3	8.4	8.1	8.1	8.1	8.5	8.2	8.4
2	8.3	8.2	8.2	8.4	8.3	8.4	8.2	8.1	8.1	8.5	8.2	8.4
3	8.2	8.0	8.1	8.4	8.3	8.3	8.2	8.1	8.1	8.4	8.0	8.2
4	8.2	7.9	7.9	8.4	8.3	8.3	8.1	8.1	8.1	8.0	7.9	8.0
5	8.0	7.9	7.9	8.3	7.9	8.1	8.1	7.9	8.0	8.2	8.1	8.0
6	8.1	8.0	8.0	8.1	7.9	8.0	8.0	7.9	7.9	8.1	8.1	8.1
7	8.2	8.1	8.1	8.2	8.1	8.1	8.1	8.0	8.0	8.1	8.1	8.1
8	8.2	8.1	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.0	8.1
9	8.3	8.2	8.2	8.3	8.2	8.3	8.1	8.1	8.1	8.1	8.1	8.1
10	8.2	8.2	8.2	8.3	8.2	8.3	8.1	8.1	8.1	8.2	8.1	8.2
11	8.2	8.1	8.2	8.4	8.2	8.3	8.2	8.1	8.1	8.3	8.2	8.2
12	8.1	7.9	8.0	8.4	8.3	8.3	8.2	8.1	8.2	8.3	8.2	8.3
13	8.1	7.8	7.9	8.3	8.2	8.3	8.3	8.1	8.2	8.3	8.2	8.2
14	7.9	7.5	7.8	8.2	8.1	8.2	8.3	8.1	8.2	8.4	8.1	8.2
15	7.9	7.9	7.9	8.2	8.1	8.2	8.3	8.1	8.2	8.4	8.2	8.3
16	8.0	7.9	8.0	8.2	7.9	8.0	8.3	8.2	8.2	8.5	8.3	8.4
17	8.1	8.0	8.0	8.0	8.0	8.0	8.2	8.1	8.2	8.5	8.3	8.4
18	8.1	8.0	8.1	8.1	8.0	8.1	8.2	8.1	8.1	8.5	8.4	8.4
19	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.2	8.3	8.5	8.4	8.5
20	8.2	8.1	8.1	8.2	8.0	8.1	8.5	8.2	8.3	8.5	8.4	8.5
21	8.2	8.1	8.2	8.0	7.9	8.0	8.4	8.2	8.3	8.4	8.2	8.4
22	8.2	8.1	8.2	8.1	8.0	8.0	8.2	7.9	8.0	8.4	8.1	8.3
23	8.2	8.1	8.2	8.1	8.0	8.1	8.0	7.9	7.9	8.3	7.6	7.9
24	8.2	8.1	8.2	8.1	8.1	8.1	8.0	7.9	8.0	7.9	7.6	7.8
25	8.2	8.1	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	8.0
26	8.3	8.2	8.3	8.1	8.1	8.1	8.1	8.0	8.1	8.0	7.8	7.9
27	8.3	8.2	8.3	8.1	8.1	8.1	8.2	8.1	8.1	8.0	7.8	7.9
28	8.3	8.2	8.3	8.1	7.9	8.1	8.3	8.1	8.2	8.0	7.9	8.0
29	8.4	8.2	8.3	8.0	7.9	8.0	8.4	8.1	8.3	8.0	7.9	7.9
30	---	---	---	8.1	8.0	8.1	8.5	8.1	8.3	8.1	8.0	8.1
31	---	---	---	8.1	8.1	8.1	---	---	---	8.1	8.1	8.1
MONTH	8.4	7.8	8.1	8.4	7.9	8.2	8.5	7.9	8.1	8.5	7.6	8.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	8.1	8.2	8.3	8.1	8.2	9.1	8.5	8.8	8.7	8.6	8.6
2	8.2	8.1	8.2	8.4	8.2	8.3	9.0	8.7	8.8	8.6	8.5	8.6
3	8.2	8.1	8.1	8.6	8.2	8.4	8.8	8.5	8.7	8.5	8.4	8.4
4	8.2	8.1	8.1	8.4	8.2	8.3	8.8	8.5	8.6	8.4	8.1	8.3
5	8.1	8.1	8.1	8.2	7.8	8.0	8.8	8.4	8.6	8.4	8.3	8.4
6	8.2	8.1	8.1	7.9	7.8	7.9	8.7	8.4	8.6	8.3	8.2	8.3
7	8.2	8.1	8.1	8.0	7.9	7.9	8.8	8.5	8.6	8.4	8.2	8.3
8	8.3	8.1	8.2	8.0	7.9	8.0	8.5	7.7	7.9	8.4	8.2	8.3
9	8.3	8.1	8.2	8.1	8.0	8.0	7.9	7.7	7.8	8.4	8.2	8.3
10	8.4	8.2	8.3	8.2	8.0	8.1	7.9	7.8	7.9	8.2	8.1	8.1
11	8.4	8.2	8.3	8.2	8.0	8.1	8.0	7.8	7.9	8.2	8.0	8.1
12	8.5	8.2	8.3	8.3	8.1	8.2	8.1	7.9	8.0	8.4	8.1	8.2
13	8.6	8.2	8.4	8.4	8.1	8.3	8.2	8.0	8.1	8.4	8.2	8.3
14	8.6	8.2	8.4	8.5	8.1	8.3	8.4	8.1	8.2	8.3	8.2	8.3
15	8.6	8.3	8.4	8.7	8.3	8.5	8.3	8.0	8.2	8.4	8.2	8.3
16	8.6	8.3	8.5	8.8	8.4	8.6	8.3	8.0	8.1	8.3	8.2	8.3
17	8.7	8.3	8.5	8.8	8.5	8.6	8.4	8.0	8.2	8.4	8.2	8.3
18	8.7	8.3	8.5	8.8	8.5	8.6	8.4	8.2	8.3	8.4	8.1	8.2
19	8.5	8.0	8.3	8.8	8.5	8.6	8.3	8.1	8.2	8.4	8.1	8.3
20	8.4	8.1	8.3	8.6	8.4	8.6	8.4	8.1	8.2	8.5	8.2	8.3
21	8.1	7.8	8.0	8.6	8.2	8.4	8.3	8.1	8.2	8.5	8.2	8.3
22	7.8	7.7	7.8	8.6	8.5	8.5	8.1	7.8	7.9	8.5	8.3	8.4
23	7.8	7.8	7.8	8.5	8.4	8.5	8.4	7.8	8.3	8.4	8.2	8.3
24	7.9	7.7	7.8	8.5	8.3	8.4	8.7	8.3	8.5	8.2	7.8	8.1
25	8.0	7.6	7.9	8.3	8.1	8.2	8.9	8.4	8.6	8.1	7.8	8.0
26	8.0	7.9	7.9	8.7	8.0	8.4	9.0	8.7	8.8	8.1	8.0	8.1
27	8.0	8.0	8.0	8.5	8.2	8.4	8.9	8.7	8.8	8.2	8.1	8.2
28	8.1	7.9	8.0	8.4	8.3	8.4	8.8	8.5	8.7	8.3	8.1	8.2
29	8.2	7.9	8.1	8.5	8.2	8.3	8.7	8.6	8.6	8.2	8.1	8.2
30	8.3	8.0	8.1	8.9	8.2	8.6	8.7	8.6	8.7	8.2	8.1	8.1
31	---	---	---	9.1	8.8	8.9	8.7	8.6	8.7	---	---	---
MONTH	8.7	7.7	8.2	9.1	7.8	8.3	9.1	7.7	8.4	8.7	7.8	8.3
YEAR	9.1	7.6	8.2									

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	18.5	19.0	14.0	12.0	13.0	6.5	6.0	6.5	.5	.5	.5
2	20.0	17.5	19.0	14.0	12.5	13.5	6.0	5.0	5.5	.5	.5	.5
3	20.5	18.5	19.5	14.0	13.5	14.0	5.0	5.0	5.0	.5	.5	.5
4	19.5	19.0	19.5	13.0	12.0	12.5	5.5	5.5	5.5	.5	.5	.5
5	20.0	18.5	19.5	11.5	10.5	11.0	6.5	5.5	6.0	.5	.5	.5
6	20.0	18.0	19.0	11.0	10.0	10.5	7.5	6.5	7.0	.5	.5	.5
7	19.0	17.0	18.0	11.0	10.0	10.5	6.5	5.5	6.0	.5	.5	.5
8	18.5	16.5	17.5	11.0	9.5	10.0	5.5	5.0	5.5	.5	.5	.5
9	18.0	17.5	17.5	11.5	9.5	10.5	5.0	5.0	5.0	---	---	---
10	18.0	16.5	17.0	11.0	10.0	10.5	6.0	5.0	5.5	---	---	---
11	18.0	16.5	17.5	10.5	9.0	9.5	6.5	5.5	6.0	---	---	---
12	18.5	17.5	18.0	8.5	7.5	8.0	7.0	6.5	7.0	---	---	---
13	17.5	14.5	16.0	7.5	6.5	7.0	7.5	7.0	7.5	---	---	---
14	15.0	13.5	14.0	7.0	6.0	6.5	7.5	7.0	7.5	---	---	---
15	15.5	13.0	14.0	8.0	7.0	7.5	7.0	5.5	6.0	.5	.5	.5
16	15.5	13.0	14.5	8.0	8.0	8.0	5.5	4.0	4.5	.5	.5	.5
17	15.5	14.0	15.0	8.0	7.5	7.5	4.0	3.0	3.5	.5	.5	.5
18	15.0	13.5	14.5	8.0	7.0	7.5	3.0	2.0	2.5	.5	.5	.5
19	14.0	13.0	13.5	10.0	8.0	9.0	2.0	.5	1.0	.5	.0	.5
20	13.5	12.5	13.0	10.5	9.5	10.0	1.0	.5	.5	.5	.0	.5
21	12.5	12.5	12.5	10.5	9.0	9.5	1.5	.5	1.0	.5	.0	.5
22	13.5	12.5	13.0	10.0	9.0	9.5	2.0	1.0	1.5	.5	.0	.5
23	14.0	13.5	13.5	11.0	9.5	10.0	1.0	.0	.5	.5	.5	.5
24	14.5	14.0	14.0	11.0	9.0	10.5	.5	.0	.0	.5	.0	.5
25	14.5	13.5	14.0	9.0	7.5	8.0	.5	.0	.0	.5	.0	.5
26	13.0	12.0	12.5	8.0	7.0	7.5	.5	.0	.5	1.5	.5	1.5
27	13.0	11.5	12.0	8.0	7.5	7.5	.5	.0	.5	1.5	1.0	1.5
28	13.5	11.5	12.5	8.5	8.0	8.5	.5	.0	.5	1.5	1.0	1.5
29	13.5	12.0	12.5	8.5	7.0	7.5	.5	.0	.0	2.0	1.5	1.5
30	13.0	11.5	12.0	7.0	6.5	6.5	.5	.0	.0	2.0	1.5	1.5
31	13.0	11.0	12.0	---	---	---	.5	.0	.5	2.0	1.0	1.5
MONTH	20.5	11.0	15.5	14.0	6.0	9.5	7.5	.0	3.5	2.0	.0	.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	1.0	2.0	2.5	.5	1.5	8.0	6.0	7.0	18.0	15.5	17.0
2	3.5	1.5	2.5	4.0	1.5	2.5	9.5	7.0	8.0	17.0	15.5	16.0
3	3.5	1.5	3.0	4.0	2.0	3.0	9.0	8.5	8.5	16.0	13.5	14.5
4	2.0	1.5	1.5	3.5	2.5	2.5	8.5	8.5	8.5	13.0	12.0	12.5
5	2.0	2.0	2.0	3.0	2.5	3.0	8.5	7.5	8.0	12.5	11.5	12.0
6	2.0	1.0	1.5	3.0	2.5	2.5	7.5	6.5	7.0	14.5	13.0	13.5
7	1.5	.5	1.0	3.5	2.5	3.0	7.5	5.5	6.5	14.5	14.5	14.5
8	1.5	.5	1.0	3.5	2.0	3.0	7.5	6.5	7.5	14.5	12.5	14.0
9	3.0	1.0	2.0	3.0	1.0	2.0	9.0	7.5	8.5	12.5	11.0	11.5
10	3.5	2.5	3.0	3.0	1.0	2.0	11.5	8.5	10.0	13.0	10.0	11.5
11	4.5	3.5	4.0	4.0	2.0	3.0	12.5	10.0	11.5	15.5	12.5	14.0
12	5.5	3.5	4.5	3.5	2.0	3.0	13.0	11.0	12.0	18.0	15.0	16.5
13	6.5	5.5	6.0	3.5	2.5	3.0	14.0	11.5	13.0	17.0	16.0	16.0
14	6.5	5.5	6.0	3.0	3.0	3.0	14.5	12.5	13.5	16.5	14.5	15.5
15	6.0	5.0	5.5	6.5	3.0	4.5	13.5	12.5	13.0	17.5	14.0	15.5
16	5.5	4.5	5.0	8.0	6.5	7.5	13.0	12.0	12.5	17.5	15.0	16.0
17	5.0	5.0	5.0	7.0	5.0	6.0	12.0	10.0	11.0	18.5	15.0	17.0
18	6.0	5.0	5.5	4.5	4.5	4.5	9.5	8.0	9.0	19.5	16.0	18.0
19	8.5	6.0	7.5	5.5	4.0	4.5	8.5	7.5	8.0	21.0	17.5	19.5
20	8.0	7.0	7.5	7.5	5.5	6.0	10.5	8.0	9.0	21.0	19.5	20.5
21	7.0	6.0	6.5	7.5	5.0	6.0	10.0	10.0	10.0	21.5	19.5	20.5
22	7.0	5.5	6.5	5.0	4.0	4.5	9.5	8.5	9.0	23.0	20.0	21.5
23	7.5	5.5	6.5	5.5	3.5	4.5	10.5	9.5	10.0	22.0	19.5	20.5
24	8.0	6.0	7.0	5.5	4.5	5.0	10.0	8.5	9.0	20.5	18.5	19.5
25	7.0	6.5	7.0	6.0	5.5	6.0	10.5	8.0	9.0	19.5	19.0	19.0
26	7.0	5.5	6.0	7.0	5.5	6.5	13.5	10.5	12.0	20.5	19.0	19.5
27	6.0	4.0	4.5	7.5	7.0	7.0	16.5	13.5	15.0	21.0	19.5	20.0
28	4.0	2.0	3.0	7.0	6.5	7.0	18.0	16.0	17.0	19.5	18.0	19.0
29	2.0	1.5	1.5	6.5	5.5	6.0	17.5	16.0	17.0	18.0	15.5	17.0
30	---	---	---	5.5	5.0	5.0	18.5	16.5	17.5	15.5	14.5	15.0
31	---	---	---	6.0	4.5	5.5	---	---	---	17.0	14.0	15.5
MONTH	8.5	.5	4.5	8.0	.5	4.5	18.5	5.5	10.5	23.0	10.0	16.5

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	14.5	16.0	26.0	22.5	24.5	27.0	25.0	26.0	25.5	23.0	24.5
2	20.5	16.5	18.5	26.0	23.5	25.0	27.5	25.5	26.0	26.5	23.5	25.0
3	22.5	19.0	21.0	26.5	23.0	25.0	28.0	25.5	27.0	25.5	23.5	24.5
4	23.5	20.5	22.0	25.5	24.0	24.5	28.0	26.0	27.0	23.5	21.5	22.5
5	24.0	21.5	23.0	24.0	22.0	23.0	28.5	25.5	27.0	22.5	20.5	21.5
6	25.0	22.5	23.5	23.0	21.5	22.5	28.0	26.0	27.0	22.0	19.0	20.5
7	25.0	23.0	24.0	23.0	21.5	22.5	28.5	26.0	27.5	22.5	20.0	21.0
8	26.0	23.5	24.5	23.5	21.0	22.5	27.5	23.5	25.0	23.0	20.5	22.0
9	27.0	24.0	25.5	24.5	21.5	23.0	27.0	24.5	25.5	22.0	21.0	21.5
10	27.0	24.5	26.0	27.0	23.5	25.0	27.5	25.5	26.5	23.0	21.0	22.0
11	27.5	26.0	26.0	27.5	25.5	26.5	28.5	26.0	27.0	24.5	22.0	23.0
12	28.5	25.0	26.5	28.5	25.0	26.5	27.0	26.0	26.5	25.0	22.5	24.0
13	29.0	26.0	27.5	28.0	25.0	27.0	28.0	25.0	26.5	26.0	23.0	24.5
14	29.5	26.0	27.5	29.0	25.5	27.0	28.5	25.0	27.0	26.0	24.0	25.0
15	28.5	26.0	27.0	28.0	25.5	26.5	28.5	25.5	27.0	24.0	21.5	23.0
16	28.0	25.5	26.5	28.5	25.0	26.5	28.0	25.5	27.0	21.0	19.5	20.5
17	28.5	25.5	27.0	27.5	25.0	26.5	28.0	25.5	27.0	20.0	18.0	19.0
18	29.0	26.0	27.5	26.5	24.5	26.0	26.5	25.5	26.0	21.0	17.5	19.0
19	29.5	25.5	27.5	26.5	23.0	25.0	26.0	24.0	25.0	21.0	18.0	19.5
20	28.5	25.5	27.5	25.5	23.5	24.5	26.0	23.0	24.5	22.0	19.0	20.5
21	26.5	24.0	25.5	26.0	23.0	24.5	26.0	22.5	24.5	22.5	20.0	21.5
22	25.5	22.5	24.5	27.0	23.5	25.5	25.5	24.0	24.5	23.5	21.0	22.5
23	25.0	24.0	25.0	28.0	24.5	26.5	25.0	23.0	24.5	22.5	21.5	22.0
24	26.0	24.0	25.0	28.5	25.5	27.0	25.0	22.5	24.0	21.5	20.0	21.0
25	25.5	23.0	24.0	27.5	25.5	26.0	24.5	22.0	23.5	23.0	20.0	21.5
26	25.5	22.5	24.0	25.5	24.0	24.5	25.5	22.5	24.0	22.5	19.5	20.5
27	25.0	24.0	24.5	24.0	22.5	23.5	25.5	23.0	24.5	19.0	16.5	18.0
28	26.5	23.0	24.5	24.0	22.0	23.0	25.5	24.0	24.5	17.5	15.5	16.5
29	26.5	24.0	25.0	25.0	21.5	23.5	26.5	24.0	25.5	17.0	15.5	16.0
30	26.0	23.5	24.5	25.5	22.5	24.0	27.0	25.5	26.0	16.0	14.5	15.0
31	---	---	---	26.5	23.0	25.0	26.5	24.0	25.0	---	---	---
MONTH	29.5	14.5	24.5	29.0	21.0	25.0	28.5	22.0	26.0	26.5	14.5	21.5
YEAR	29.5	.0	13.5									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.4	8.2	9.5	10.4	9.5	9.9	12.3	11.9	12.1	13.3	13.0	13.2
2	12.2	8.2	9.9	10.1	9.3	9.7	12.1	12.0	12.0	13.3	12.9	13.1
3	12.3	8.1	10.0	9.5	8.9	9.3	12.3	12.1	12.2	13.3	12.9	13.0
4	9.0	7.5	8.0	10.2	9.4	9.8	12.0	11.8	11.9	13.1	12.9	13.0
5	8.5	6.5	7.4	10.6	9.8	10.1	12.1	10.6	11.5	13.3	12.8	13.0
6	9.5	7.1	8.2	10.9	10.1	10.4	10.7	9.7	10.3	13.3	12.9	13.1
7	10.1	7.6	8.7	11.6	10.2	10.8	11.3	10.3	10.8	13.5	13.1	13.3
8	10.4	7.7	8.9	12.0	10.7	11.2	11.5	10.6	11.2	13.4	13.2	13.2
9	10.4	8.0	9.0	12.0	10.7	11.1	11.4	11.0	11.2	---	---	---
10	11.1	8.2	9.4	11.1	10.3	10.7	11.1	10.5	10.9	---	---	---
11	11.0	8.3	9.3	10.5	10.1	10.3	11.6	10.5	11.1	---	---	---
12	9.6	8.0	8.6	11.2	10.3	10.8	11.7	11.5	11.6	---	---	---
13	8.7	8.1	8.4	12.0	10.9	11.3	11.7	11.5	11.5	---	---	---
14	9.3	8.6	9.0	12.3	11.1	11.7	11.7	11.4	11.5	---	---	---
15	10.0	9.1	9.4	11.6	11.0	11.4	11.6	11.1	11.4	14.4	13.6	14.1
16	9.7	8.7	9.1	11.0	10.6	10.9	12.0	11.5	11.8	14.1	13.4	13.7
17	9.4	8.4	8.9	11.3	[illegible]	11.0	12.5	12.0	12.3	14.1	13.3	13.6
18	9.0	8.7	8.8	11.2	[illegible]	10.9	12.8	12.1	12.5	14.2	13.4	13.7
19	9.4	8.7	9.0	11.4	10.0	10.6	13.6	12.6	13.2	14.3	13.4	13.9
20	9.7	9.1	9.3	9.8	9.1	9.6	13.9	12.6	13.5	14.5	13.4	13.9
21	9.7	9.3	9.6	11.2	9.1	10.2	13.7	13.1	13.5	14.6	13.4	14.0
22	9.7	9.5	9.6	11.7	10.4	10.8	13.0	12.8	12.9	14.7	13.5	14.1
23	9.6	9.2	9.4	10.5	8.2	9.6	13.2	12.6	13.0	14.4	13.4	13.9
24	9.4	9.1	9.2	8.3	7.8	8.0	13.5	13.1	13.3	13.3	12.4	12.9
25	9.6	8.4	9.3	10.6	8.1	9.6	13.6	13.2	13.4	12.9	12.6	12.8
26	9.4	8.5	8.9	10.4	9.9	10.2	13.7	13.2	13.5	12.6	12.4	12.5
27	10.4	8.5	9.6	10.0	9.5	9.8	13.5	13.0	13.2	12.4	12.1	12.2
28	10.4	10.0	10.2	11.3	9.4	10.4	13.1	12.9	13.0	12.1	11.8	12.0
29	10.4	9.9	10.1	12.0	10.8	11.4	13.2	13.0	13.1	11.9	11.4	11.6
30	10.6	10.0	10.2	12.2	12.0	12.2	13.3	13.1	13.1	12.3	11.0	12.0
31	10.5	9.7	10.1	---	---	---	13.4	13.1	13.2	13.3	12.2	12.7
MONTH	12.3	6.5	9.2	12.3	7.8	10.8	13.9	9.7	12.3	14.7	11.0	13.1

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.5	12.7	13.0	13.4	12.5	12.9	12.6	12.1	12.4	15.2	10.4	12.7
2	13.5	12.5	12.9	13.4	12.5	12.8	12.3	11.6	12.0	15.5	10.5	12.9
3	12.6	12.1	12.3	13.4	12.1	12.7	12.1	11.4	11.8	11.9	10.7	11.0
4	12.2	11.7	12.0	13.0	12.0	12.4	11.9	11.7	11.8	11.0	10.6	10.9
5	11.9	11.7	11.8	13.0	11.9	12.5	12.1	11.7	11.9	12.2	11.0	11.7
6	12.5	12.0	12.3	13.5	12.6	13.0	12.1	11.9	12.0	11.4	10.2	10.7
7	13.3	12.5	12.9	13.9	13.4	13.5	12.5	11.7	12.1	10.7	10.0	10.5
8	13.8	13.0	13.3	13.7	13.2	13.4	12.1	11.6	11.9	10.9	10.0	10.6
9	13.7	12.9	13.2	14.4	13.4	13.9	11.7	11.0	11.4	11.9	10.9	11.6
10	13.0	12.2	12.7	15.9	13.4	14.8	11.3	10.7	11.0	12.9	11.7	12.2
11	12.5	11.9	12.1	15.6	14.4	14.9	11.2	10.4	10.8	12.5	11.3	11.9
12	11.9	11.4	11.7	15.5	14.0	14.7	11.8	10.0	11.0	12.5	10.4	11.4
13	11.5	10.9	11.3	14.8	14.0	14.3	12.0	10.5	11.0	11.8	10.2	10.9
14	11.5	11.3	11.4	14.0	13.6	13.9	12.1	10.0	11.0	13.2	10.5	11.7
15	11.9	11.4	11.7	14.2	13.4	13.8	13.0	10.3	11.6	13.4	10.9	11.7
16	12.1	11.9	12.0	13.3	12.1	12.5	12.4	10.7	11.6	14.3	11.0	12.6
17	12.0	11.9	11.9	13.3	12.4	13.0	11.4	11.2	11.3	13.8	10.7	12.2
18	12.0	11.6	11.9	13.9	13.3	13.6	12.2	11.4	11.8	13.4	10.3	11.7
19	11.5	10.8	11.1	14.2	13.8	13.9	13.2	12.2	12.7	14.4	9.5	12.0
20	11.2	10.7	10.9	13.9	12.7	13.4	14.0	12.1	13.0	13.0	9.8	11.1
21	11.6	11.0	11.3	13.1	12.6	12.8	12.4	11.2	11.9	11.7	8.4	10.1
22	11.7	11.2	11.4	13.6	13.0	13.3	12.1	10.8	11.4	12.6	8.4	10.4
23	11.9	11.1	11.6	13.8	13.5	13.6	10.9	10.5	10.7	9.8	7.9	8.4
24	11.4	10.6	11.0	13.5	13.2	13.4	11.2	10.7	11.0	8.7	7.4	7.9
25	11.3	10.4	10.9	13.1	12.7	12.8	12.2	11.0	11.4	8.3	7.4	7.9
26	11.9	10.7	11.3	13.1	12.7	12.9	11.8	10.7	11.2	7.8	7.4	7.5
27	11.5	11.0	11.2	12.9	12.4	12.6	12.0	10.7	11.4	8.2	7.3	7.5
28	12.2	11.1	11.7	12.6	12.2	12.5	12.7	10.3	11.4	7.9	7.4	7.6
29	13.1	12.0	12.6	12.8	12.2	12.5	13.4	10.3	11.6	8.5	7.9	8.2
30	---	---	---	13.1	12.8	13.0	14.1	10.0	12.0	8.9	8.5	8.8
31	---	---	---	13.0	12.5	12.8	---	---	---	9.2	8.7	8.9
MONTH	13.8	10.4	11.9	15.9	11.9	13.3	14.1	10.0	11.6	15.5	7.3	10.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.2	8.5	8.9	12.8	7.4	9.9	18.1	10.4	14.3	12.4	6.4	9.3
2	9.2	8.2	8.7	13.5	7.9	10.5	17.2	7.3	11.5	11.7	6.8	9.2
3	8.8	7.7	8.2	16.4	6.7	11.6	15.2	6.2	10.8	7.5	6.0	6.7
4	8.6	7.3	7.8	11.2	7.2	9.2	13.9	6.2	10.1	7.9	5.1	6.6
5	8.3	7.0	7.6	9.6	7.0	8.1	14.3	5.8	9.7	7.7	6.0	6.8
6	8.6	6.8	7.6	9.9	7.9	8.8	12.6	6.5	9.2	8.0	6.3	7.0
7	8.0	6.4	7.0	10.8	8.7	9.7	15.5	6.3	10.6	9.8	5.9	8.0
8	8.3	6.2	7.2	10.9	8.9	9.9	8.7	5.9	6.5	10.0	7.3	8.6
9	8.6	6.2	7.4	11.2	8.8	9.9	6.2	5.9	6.1	9.4	7.5	8.3
10	8.9	6.0	7.5	10.8	8.1	9.3	6.4	5.8	6.1	9.0	7.1	7.9
11	8.8	6.6	7.8	9.7	7.3	8.4	6.6	5.8	6.2	9.0	6.7	7.7
12	10.6	6.8	8.6	10.6	6.1	8.1	6.8	5.8	6.2	9.9	6.7	8.2
13	10.6	6.0	8.2	11.1	6.8	8.5	7.4	6.1	6.6	10.2	6.8	8.4
14	10.8	5.7	8.1	13.5	6.8	9.7	9.0	5.8	7.2	9.8	6.5	7.9
15	11.1	6.1	8.4	17.2	6.9	11.1	8.6	5.5	6.9	9.2	6.6	7.7
16	11.2	6.1	8.4	20.0	9.0	15.5	8.5	5.4	6.8	9.1	7.8	8.4
17	11.2	6.0	8.5	20.0	9.1	16.1	9.0	5.5	7.1	10.1	8.3	9.1
18	10.3	5.6	7.6	20.0	9.3	16.6	8.7	5.7	6.9	10.2	8.3	9.1
19	9.1	4.7	6.7	20.0	9.9	16.1	8.1	6.1	6.9	10.7	8.0	9.3
20	8.0	4.6	5.9	16.9	9.3	13.0	9.2	6.2	7.5	11.1	7.9	9.5
21	7.2	5.1	5.9	15.3	7.8	11.6	9.0	6.3	7.5	11.6	7.7	9.6
22	6.7	6.3	6.3	14.7	8.9	11.8	7.4	5.6	6.5	12.4	7.7	9.9
23	6.4	5.9	6.2	13.7	8.5	11.0	9.9	5.8	7.9	9.3	7.3	8.2
24	6.8	5.4	6.2	13.1	7.2	9.9	11.5	6.6	8.9	8.0	6.8	7.4
25	6.9	6.0	6.5	11.3	6.2	8.4	14.1	7.0	10.3	8.0	7.3	7.6
26	8.1	6.0	7.0	15.3	6.2	10.5	15.2	7.6	11.5	8.5	7.1	7.8
27	8.8	6.5	7.3	12.0	7.6	9.9	14.6	7.4	10.9	8.7	7.7	8.2
28	9.9	6.6	7.6	12.7	8.6	10.6	11.2	6.4	8.5	9.5	8.4	8.9
29	11.0	6.1	8.1	13.6	8.5	10.9	12.6	5.9	9.3	9.7	8.5	9.0
30	11.2	6.5	8.7	18.5	8.3	13.0	11.8	6.3	8.9	9.4	8.6	8.9
31	---	---	---	20.0	9.8	17.4	12.8	6.4	9.4	---	---	---
MONTH	11.2	4.6	7.5	20.0	6.1	11.1	18.1	5.4	8.5	12.4	5.1	8.3
YEAR	20.0	4.6	10.6									

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	762	666	475	779	647	719	569	650	622	786	638	859
2	796	704	495	701	699	708	597	656	651	807	606	879
3	814	715	556	684	689	730	628	643	683	822	671	895
4	791	674	391	670	431	735	565	376	695	812	726	729
5	709	590	429	673	417	527	346	486	700	648	743	876
6	747	550	452	758	508	403	333	496	702	453	784	894
7	796	562	457	665	561	519	448	541	726	446	782	878
8	806	570	484	635	583	535	493	471	728	506	354	892
9	794	634	525	---	506	550	534	499	730	515	406	870
10	808	644	564	---	665	603	590	530	733	579	516	769
11	827	577	608	---	712	638	617	586	751	658	536	734
12	833	580	541	---	576	660	654	610	772	717	542	820
13	545	595	521	---	493	681	570	610	772	744	615	874
14	585	576	512	---	352	533	563	614	796	770	774	888
15	598	592	514	714	434	576	669	615	783	796	758	856
16	506	540	535	720	498	444	660	667	807	762	682	834
17	472	499	588	705	517	435	572	680	814	722	706	768
18	460	546	600	700	540	468	517	680	712	720	748	595
19	494	566	621	739	558	519	536	660	691	726	738	570
20	577	593	624	770	590	527	577	646	785	704	773	602
21	286	596	628	800	604	367	601	669	698	707	742	648
22	377	590	617	832	614	415	276	669	518	724	665	679
23	338	521	580	840	618	462	350	460	562	710	771	724
24	420	337	649	848	616	497	387	478	578	707	794	710
25	455	428	720	355	661	524	467	522	634	708	776	616
26	473	504	680	436	664	507	518	493	631	711	790	809
27	509	511	684	456	666	525	561	550	713	781	800	820
28	528	312	734	487	713	520	618	598	695	804	816	848
29	604	377	608	514	697	319	627	464	722	776	809	770
30	602	453	539	551	---	462	635	508	767	745	834	658
31	633	---	619	635	---	517	---	583	---	720	956	---
MEAN	611	553	566	667	584	536	543	571	706	702	702	779

WTR YR 1984 MEAN 626 MAX 888 MIN 276

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	8.2	8.1	8.0	8.2	8.4	8.1	8.4	8.2	8.2	8.9	8.6
2	8.5	8.2	8.1	8.1	8.2	8.4	8.1	8.4	8.2	8.3	8.8	8.6
3	8.5	8.2	8.2	8.1	8.2	8.3	8.1	8.2	8.1	8.4	8.7	8.4
4	8.4	8.2	8.1	8.1	7.9	8.3	8.1	8.0	8.1	8.3	8.7	8.3
5	8.2	8.2	8.0	8.1	7.9	8.1	8.0	8.1	8.1	8.1	8.6	8.4
6	8.2	8.2	8.1	8.1	8.0	8.0	7.9	8.1	8.1	7.9	8.6	8.3
7	8.3	8.2	8.1	8.2	8.2	8.1	8.0	8.1	8.1	7.9	8.6	8.3
8	8.3	8.3	8.1	8.2	8.2	8.2	8.1	8.1	8.2	8.0	7.9	8.3
9	8.3	8.3	8.1	---	8.2	8.3	8.1	8.1	8.2	8.0	7.8	8.3
10	8.3	8.3	8.2	---	8.2	8.3	8.1	8.2	8.3	8.1	7.9	8.1
11	8.3	8.2	8.2	---	8.2	8.3	8.2	8.2	8.3	8.1	7.9	8.1
12	8.3	8.2	8.1	---	8.0	8.3	8.2	8.3	8.3	8.2	7.9	8.2
13	8.1	8.3	8.1	---	7.9	8.3	8.2	8.2	8.4	8.2	8.1	8.3
14	8.1	8.3	8.1	---	7.8	8.2	8.2	8.2	8.4	8.3	8.2	8.3
15	8.1	8.3	8.1	8.3	7.9	8.2	8.2	8.3	8.5	8.4	8.2	8.2
16	8.0	8.2	8.2	8.3	8.0	8.0	8.2	8.4	8.5	8.6	8.1	8.3
17	7.9	8.1	8.2	8.3	8.0	8.0	8.2	8.4	8.5	8.6	8.2	8.3
18	7.9	8.2	8.3	8.3	8.1	8.1	8.1	8.4	8.5	8.6	8.3	8.2
19	8.0	8.2	8.3	8.3	8.1	8.1	8.3	8.5	8.3	8.6	8.2	8.2
20	8.0	8.2	8.3	8.3	8.1	8.1	8.4	8.5	8.3	8.6	8.2	8.4
21	7.8	8.2	8.3	8.3	8.2	8.0	8.3	8.4	8.0	8.5	8.2	8.4
22	7.9	8.3	8.2	8.3	8.2	8.0	7.9	8.3	7.8	8.5	7.9	8.4
23	7.8	8.2	8.2	8.3	8.2	8.1	7.9	8.0	7.8	8.5	8.3	8.3
24	7.9	7.8	8.2	8.1	8.2	8.1	8.0	7.9	7.9	8.4	8.4	8.1
25	8.0	8.0	8.2	7.9	8.2	8.1	8.0	8.0	7.9	8.2	8.6	8.0
26	8.0	8.1	8.2	7.9	8.3	8.1	8.1	7.9	7.9	8.3	8.8	8.1
27	8.1	8.1	8.2	8.0	8.3	8.1	8.1	7.9	8.0	8.4	8.8	8.2
28	8.1	7.9	8.1	8.0	8.3	8.1	8.2	8.0	8.0	8.4	8.7	8.2
29	8.1	8.0	8.1	8.0	8.3	8.0	8.3	7.9	8.0	8.3	8.6	8.2
30	8.2	8.1	8.0	8.1	---	8.1	8.3	8.1	8.2	8.5	8.7	8.1
31	8.2	---	8.0	8.1	---	8.1	---	8.1	---	8.9	8.7	---
MEAN	8.1	8.2	8.2	8.2	8.1	8.2	8.1	8.2	8.2	8.3	8.4	8.3

WTR YR 1984 MEAN 8.2 MAX 8.9 MIN 7.8

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	13.0	6.5	.5	2.0	1.5	7.0	17.0	16.0	24.5	26.5	24.5
2	19.0	13.5	5.5	.5	2.5	3.0	8.5	16.0	18.0	25.0	26.0	25.5
3	19.5	14.0	5.0	.5	3.0	3.5	8.5	15.0	20.5	25.0	27.0	24.5
4	19.5	12.5	5.5	.5	1.5	3.0	9.5	12.5	21.5	24.5	27.0	23.0
5	19.0	11.0	6.0	.5	2.0	3.0	9.0	12.0	23.0	22.5	27.0	21.0
6	19.0	10.5	7.0	.5	1.5	2.5	7.0	13.0	23.5	22.0	27.0	21.0
7	18.0	10.5	6.0	.5	1.0	3.5	5.5	14.5	24.0	22.5	27.5	21.0
8	18.0	10.0	5.5	.5	1.0	3.0	7.5	14.0	24.5	22.0	25.0	22.0
9	18.0	10.0	5.0	---	1.5	2.0	8.5	11.5	25.0	22.5	25.5	21.5
10	17.0	10.5	5.5	---	3.0	2.0	10.0	11.5	25.5	24.5	26.5	21.5
11	17.5	9.5	6.0	---	4.0	3.0	11.5	14.5	26.0	26.5	27.0	23.5
12	17.5	8.0	7.0	---	4.5	3.0	12.0	16.5	26.5	26.0	26.5	24.0
13	16.0	7.0	7.5	---	6.0	3.0	13.0	16.0	27.5	27.0	26.5	24.5
14	14.0	6.5	7.5	---	6.0	3.0	14.0	15.5	27.5	27.0	26.5	25.0
15	14.0	7.5	6.0	.5	5.5	4.5	13.0	15.5	27.0	26.5	27.0	23.0
16	14.5	8.0	4.5	.5	5.0	8.0	12.5	16.0	26.5	26.5	27.0	20.5
17	15.0	7.5	3.5	.5	5.0	5.5	11.0	16.5	27.0	26.5	27.0	19.0
18	14.0	7.5	2.5	.5	5.5	4.5	9.0	17.5	27.5	26.0	26.0	19.0
19	13.5	8.5	1.0	.5	8.0	4.5	8.5	19.0	27.5	25.0	25.0	19.5
20	13.0	10.0	.5	.5	8.0	6.0	9.5	20.5	27.0	24.5	24.5	20.5
21	12.5	9.5	1.0	.5	6.5	6.0	10.0	20.5	25.5	24.5	24.5	22.0
22	13.0	9.5	2.0	.5	6.5	4.5	9.5	21.0	24.5	25.5	25.0	22.5
23	13.5	10.0	.5	.5	6.5	4.5	10.0	20.5	25.0	26.0	24.5	22.0
24	14.0	10.5	.0	.5	7.0	5.5	9.0	19.5	24.5	27.5	24.0	21.0
25	14.5	8.0	.0	.0	7.0	6.0	9.0	19.0	24.5	26.0	23.5	21.5
26	12.5	7.5	.5	1.5	6.0	6.5	12.0	19.5	24.0	24.0	24.0	20.5
27	12.0	8.0	.0	1.5	4.5	7.0	16.0	20.0	24.0	23.5	24.5	17.5
28	12.0	8.5	.5	1.5	3.0	7.0	17.0	19.0	24.5	23.0	25.0	16.5
29	12.5	7.5	.0	1.5	1.5	6.0	17.0	16.5	25.0	23.0	26.0	16.5
30	12.0	7.0	.0	1.5	---	5.0	17.0	15.0	25.0	24.0	26.0	15.0
31	12.0	---	.5	1.5	---	5.5	---	15.5	---	24.5	25.5	---
MEAN	15.5	9.5	3.5	.5	4.5	4.5	10.5	16.5	24.5	25.0	26.0	21.5

WTR YR 1984 MEAN 13.5 MAX 27.5 MIN .0

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	9.9	12.1	13.2	12.9	12.9	12.5	12.7	8.8	10.0	14.1	9.2
2	9.7	9.6	12.0	13.1	12.8	12.8	12.0	12.7	8.7	10.0	10.5	9.0
3	9.8	9.3	12.2	13.0	12.3	12.7	11.9	10.9	8.1	11.6	10.8	6.8
4	8.0	9.8	12.0	13.0	12.1	12.4	11.8	10.9	7.7	9.1	10.2	6.9
5	7.5	10.1	11.7	13.0	11.8	12.5	12.0	11.8	7.5	8.1	9.4	6.7
6	8.2	10.4	10.4	13.1	12.3	13.0	12.0	10.6	7.4	8.9	8.7	6.9
7	8.7	10.7	10.8	13.3	13.1	13.7	12.1	10.5	6.9	9.6	10.3	8.4
8	8.8	11.0	11.3	13.2	13.2	13.4	11.9	10.7	7.1	10.0	6.4	8.6
9	8.8	11.0	11.2	---	13.1	13.9	11.5	11.7	7.4	9.8	6.1	8.2
10	9.1	10.7	10.9	---	12.7	15.1	11.0	12.3	7.7	9.3	6.1	7.7
11	9.0	10.3	11.2	---	12.1	14.9	10.7	11.9	8.1	8.3	6.2	7.8
12	8.5	10.9	11.6	---	11.8	14.7	11.1	11.3	8.1	7.9	6.2	8.2
13	8.4	11.2	11.5	---	11.3	14.2	10.9	10.9	7.9	8.1	6.5	8.3
14	9.2	11.8	11.5	---	11.4	13.9	11.2	11.7	8.0	9.5	7.0	7.7
15	9.3	11.4	11.4	14.0	11.8	13.8	11.7	11.5	8.3	10.5	6.7	7.7
16	9.0	10.9	11.9	13.6	12.0	12.3	11.6	12.5	8.1	15.0	6.7	9.5
17	8.9	11.0	12.3	13.6	11.9	13.0	11.3	12.0	8.2	16.3	7.0	9.1
18	8.8	10.8	12.6	13.8	11.9	13.0	11.8	11.5	7.2	16.7	6.8	9.0
19	9.1	10.4	13.5	13.9	11.2	14.0	12.7	11.9	6.5	15.6	6.8	9.2
20	9.3	9.7	13.7	13.9	11.0	13.6	13.0	10.8	5.7	12.8	7.4	9.4
21	9.6	10.7	13.5	14.1	11.3	12.8	11.9	10.2	6.0	11.9	7.3	9.5
22	9.6	10.6	12.9	14.1	11.4	13.3	11.3	10.3	6.3	11.5	6.5	9.7
23	9.5	9.8	13.0	13.8	11.4	13.7	10.7	8.2	6.2	10.8	8.1	8.2
24	9.3	7.9	13.3	12.8	11.1	13.4	11.1	7.6	6.4	9.5	8.8	7.6
25	9.3	10.1	13.4	12.8	10.9	12.8	11.5	7.9	6.5	8.0	10.5	7.5
26	8.8	10.3	13.5	12.5	11.4	12.9	11.1	7.5	7.1	10.7	11.7	7.8
27	10.0	9.9	13.2	12.2	11.2	12.6	11.4	7.4	7.3	10.2	10.7	8.3
28	10.1	10.8	13.0	12.0	11.9	12.5	11.3	7.7	7.1	10.4	8.3	8.9
29	10.0	11.2	13.2	11.6	12.7	12.5	11.5	8.3	7.8	13.9	9.6	9.0
30	10.2	12.2	13.1	12.2	---	13.1	12.0	8.9	8.6	12.5	9.6	9.0
31	10.1	---	13.2	12.8	---	12.8	---	8.9	---	17.7	9.2	---
MEAN	9.2	10.5	12.3	13.1	11.9	13.3	11.6	10.4	7.4	11.0	8.4	8.3

WTR YR 1984 MEAN 10.6 MAX 17.7 MIN 5.7

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	140	42	16	351	18	17	2670	32	231
2	140	41	15	373	16	16	1630	62	273
3	138	44	16	561	25	38	1540	14	58
4	192	41	21	944	38	97	5550	205	3360
5	236	83	53	908	24	59	3920	83	878
6	232	50	31	816	17	37	4000	91	983
7	225	44	27	578	15	23	3840	59	612
8	179	42	20	517	17	24	2500	93	628
9	159	48	21	490	12	16	1850	33	165
10	151	44	18	544	36	52	1430	14	54
11	145	42	16	1000	60	161	1410	17	65
12	140	45	17	1230	48	159	2560	36	249
13	667	271	549	930	15	38	2500	50	337
14	1100	189	563	830	12	27	2550	56	386
15	464	69	86	997	16	43	2280	33	203
16	296	65	52	1500	119	482	1500	24	97
17	239	60	39	1320	76	271	1250	10	34
18	538	131	209	967	19	50	1040	50	140
19	691	85	159	809	22	48	982	60	159
20	1710	413	3920	782	21	44	908	35	86
21	5000	800	10800	937	12	30	830	24	54
22	2220	430	2780	915	19	47	1410	30	114
23	4000	624	6740	5020	459	11400	1180	25	80
24	2330	180	1130	5460	438	6460	717	25	48
25	2330	83	522	2390	132	852	572	30	46
26	1530	99	409	1990	90	484	691	33	62
27	915	103	254	1820	35	172	816	40	88
28	730	44	87	9570	416	11600	1500	75	304
29	595	39	63	4470	78	941	2620	150	1060
30	459	28	35	3230	88	767	1100	50	148
31	373	23	23	---	---	---	800	45	97
TOTAL	28264	---	28691	52249	---	34455	58146	---	11099
		JANUARY			FEBRUARY			MARCH	
1	700	40	76	538	5	7.3	915	6	15
2	660	40	71	624	6	10	915	4	9.9
3	620	35	59	2720	197	2260	937	7	18
4	600	30	49	3520	255	2420	901	1	2.4
5	580	30	47	2160	114	665	4710	267	5510
6	540	30	44	1650	39	174	4340	192	2250
7	500	78	105	1270	18	62	3100	102	854
8	480	35	45	796	5	11	2650	35	250
9	460	40	50	595	11	18	1680	20	91
10	460	64	79	589	8	13	1310	18	64
11	450	55	67	1470	89	475	1250	14	47
12	450	50	61	2030	125	685	1140	12	37
13	440	45	53	5490	258	6110	1600	30	130
14	440	40	48	10900	1080	36500	2670	50	360
15	440	35	42	5530	250	3730	2430	35	230
16	440	30	36	4250	334	3830	6610	470	8960
17	469	30	38	3680	127	1260	5220	310	4400
18	459	25	31	2960	64	511	3900	93	979
19	396	25	27	1830	34	168	3180	385	3310
20	364	20	20	1660	28	125	5440	203	4630
21	338	20	18	1390	31	116	10800	590	17200
22	325	20	18	1250	16	54	7910	230	4910
23	382	20	21	1070	14	40	6000	184	2980
24	3030	1040	12600	886	16	38	4340	113	1320
25	4780	443	8150	989	16	43	3370	62	564
26	2680	170	1230	1000	7	19	3510	58	550
27	2320	94	589	908	28	69	3230	62	541
28	1350	50	182	1040	12	34	8170	720	23200
29	908	17	42	1030	10	28	7200	860	16900
30	796	16	34	---	---	---	4650	530	6650
31	618	6	10	---	---	---	2720	157	1150
TOTAL	27475	---	23952	63845	---	59478.3	116878	---	108192.3

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	1880	90	457	997	27	73	1050	56	159
2	1520	24	98	915	36	89	908	45	110
3	1460	92	363	2450	104	1250	809	44	96
4	2630	120	852	5170	264	3690	730	48	95
5	9520	675	17400	3190	100	861	648	44	77
6	9210	478	11900	3160	84	717	583	26	41
7	6250	425	7170	2570	54	375	561	37	56
8	4350	178	2090	3360	52	472	527	121	172
9	2330	180	1130	3460	104	972	495	64	86
10	1750	45	213	2130	50	288	469	52	66
11	1440	28	109	1580	32	137	420	32	36
12	1180	27	86	1530	21	87	391	58	61
13	1210	22	72	1420	23	88	382	42	43
14	1140	22	68	1310	26	92	387	47	49
15	1070	36	104	974	15	39	511	33	46
16	1220	20	66	865	13	30	391	26	27
17	2380	56	360	803	31	67	364	17	17
18	2280	42	259	837	24	54	358	19	19
19	2010	26	141	809	12	26	391	24	25
20	1510	14	57	776	14	29	538	124	291
21	1580	580	2470	830	14	31	1120	390	1180
22	9000	1070	27000	930	15	38	762	300	617
23	6440	424	7370	3070	341	3750	538	272	395
24	6000	322	5220	2770	270	2070	769	174	361
25	4700	94	1190	1920	96	498	667	188	339
26	2910	62	487	1870	348	1760	495	161	215
27	1720	41	190	1280	124	429	410	75	83
28	1420	32	123	1610	118	513	368	70	70
29	1230	19	63	2890	138	1080	342	58	54
30	1080	13	38	1750	142	671	321	61	53
31	---	---	---	1200	62	201	---	---	---
TOTAL	92420	---	87146	59226	---	20477	16715	---	4929
		JULY			AUGUST			SEPTEMBER	
1	304	52	43	201	94	51	148	52	21
2	288	49	38	205	100	55	148	56	22
3	284	33	25	210	124	73	218	62	36
4	485	43	56	218	115	68	222	67	40
5	1680	372	1690	257	99	69	265	66	47
6	1890	535	2730	396	62	66	211	94	54
7	1800	315	1530	265	84	60	195	62	33
8	1130	78	238	2720	4850	42000	173	53	25
9	654	71	125	1100	2100	6240	162	56	24
10	485	82	107	612	350	578	188	49	25
11	415	99	111	373	136	137	170	50	23
12	373	66	66	420	116	132	164	46	20
13	346	70	65	316	56	48	159	52	22
14	316	78	67	265	157	112	153	49	20
15	296	80	64	239	89	57	304	103	85
16	284	100	77	222	76	46	533	105	151
17	269	138	100	215	40	23	321	26	23
18	261	140	99	401	92	100	250	45	30
19	250	150	101	338	89	81	198	69	37
20	239	133	86	257	71	49	179	50	24
21	228	84	52	222	65	39	159	23	9.9
22	225	66	40	208	67	38	153	55	23
23	218	52	31	225	71	43	164	56	25
24	211	62	35	246	90	60	469	305	626
25	236	56	36	211	106	60	280	160	121
26	261	44	31	192	22	11	387	95	99
27	387	88	92	179	61	29	312	43	36
28	368	56	56	170	42	19	257	35	24
29	261	86	61	159	80	34	236	52	33
30	232	92	58	162	78	34	201	52	28
31	215	72	42	156	68	29	---	---	---
TOTAL	14891	---	7952	11388	---	51241	6979	---	1786.9
YEAR	548456		439386.5						

BEST COPY AVAILABLE

03245500 LITTLE MIAMI RIVER AT MILFORD, OH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM
FEB							
14...	0930	10900	1280	37700	31	43	57
MAR							
21...	1430	9210	410	10200	18	30	41
AUG							
08...	0700	7370	6100	121000	32	42	55

DATE	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM
FEB						
14...	75	89	97	98	100	--
MAR						
21...	58	75	88	92	97	100
AUG						
08...	72	87	98	100	--	--

03247050 EAST FORK LITTLE MIAMI RIVER NEAR BATAVIA, OH

LOCATION.--Lat 39°03'36", long 84°10'32", Clermont County, Hydrologic Unit 05090202, on right bank on Elk Lick Road, 230 ft upstream from unnamed right bank tributary, 1,400 ft upstream from Lucy Run, 1.3 mi south of Batavia, and at mile 15.7.

DRAINAGE AREA.--352 mi², includes that of unnamed tributary.

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 571.68 ft National Geodetic Vertical Datum of 1929. Prior to July 17, 1968, nonrecording gage 1,100 ft downstream at same datum.

REMARKS.--Records good except those for winter periods which are fair. Flow regulated by William H. Harsha reservoir, formerly East Fork Lake, since 1977. Water-quality data collected at this site 1965 to 1977.

AVERAGE DISCHARGE.--11 years (water years 1966-76), 432 ft³/s, 8 years (water years 1977-84) 440 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,700 ft³/s Apr. 2, 1970, gage height, 20.31 ft; minimum daily, 0.14 ft³/s Sept. 23, 27, 1967. Maximum discharge since start of construction of East Fork Dam 31,000 ft³/s Aug. 30, 1974, gage height, 20.80 ft in gage well, 21.8 ft from floodmarks, result of failure of cofferdam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1964 reached a stage of 21.46 ft at site 1,100 ft downstream from information by local resident, discharge, about 32,000 ft³/s, from flood study

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,190 ft³/s Oct. 25, gage height, 11.59 ft; minimum daily, 18 ft³/s Many days July 2 to Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	180	800	217	142	429	1400	100	642	19	18	19
2	22	53	580	50	102	337	587	89	165	18	19	18
3	23	72	360	45	263	423	467	133	105	18	18	21
4	26	180	380	41	403	413	403	408	105	20	19	19
5	57	198	660	39	398	605	907	862	75	20	19	19
6	105	105	1000	37	659	1200	1930	712	52	21	19	18
7	102	102	1400	35	851	1620	1950	447	43	19	18	18
8	102	102	1500	33	772	1390	925	675	32	18	39	19
9	83	102	760	32	477	731	356	1260	29	18	170	19
10	47	105	480	30	151	180	329	1290	23	19	281	20
11	47	109	360	29	229	139	196	634	23	21	41	19
12	49	105	500	29	388	136	89	222	23	21	27	19
13	151	105	760	28	876	251	60	136	23	20	22	19
14	255	91	725	28	1520	512	54	135	23	18	21	20
15	251	305	567	27	2310	741	42	135	22	19	21	19
16	142	259	251	26	2710	1070	45	123	21	18	21	19
17	47	434	85	25	2390	1200	50	84	21	18	21	19
18	81	708	41	25	1610	942	51	62	22	18	193	19
19	189	708	26	25	857	484	46	61	22	18	213	19
20	311	714	26	24	423	419	73	59	21	18	178	19
21	666	598	30	24	302	1300	212	58	21	18	92	20
22	934	477	255	32	194	2220	386	56	21	18	59	22
23	359	840	477	40	119	2350	1320	252	22	18	43	36
24	1560	720	472	87	145	2180	2470	668	23	18	36	130
25	2780	640	205	778	173	1600	2910	684	21	20	18	202
26	2990	740	26	1420	122	1050	2980	393	21	19	18	392
27	2940	1100	32	1250	105	791	2210	219	21	20	18	297
28	2910	1900	125	778	229	555	977	240	21	18	18	70
29	2610	1900	328	378	434	1150	239	790	21	18	18	42
30	1840	1600	567	205	---	1990	115	1660	20	18	19	29
31	915	---	638	209	---	1970	---	1590	---	18	18	---
TOTAL	22537	15252	14416	6026	19354	30378	23779	14237	1704	590	1731	1611
MEAN	727	508	465	194	667	980	793	459	56.9	19.0	55.8	53.7
MAX	2990	1900	1500	1420	2710	2350	2910	1660	642	20	281	392
MIN	22	53	26	24	102	136	42	56	20	18	18	18

CAL YR 1983 TOTAL 176400 MEAN 484 MAX 4620 MIN 17
WTR YR 1984 TOTAL 151615 MEAN 414 MAX 2990 MIN 18

03247500 EAST FORK LITTLE MIAMI RIVER AT PERINTOWN, OH

LOCATION.--Lat 39°08'14", long 84°14'17", Clermont County, Hydrologic Unit 05090202, on right bank at upstream wingwall of highway bridge at Perintown, 0.2 mi downstream from Sugarcamp Run, 5 mi upstream from mouth, and at mile 6.4.

DRAINAGE AREA.--476 mi².

PERIOD OF RECORD.--May 1915 to September 1917, October 1917 to May 1920 (gage heights only), January 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 507.03 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 6, 1940, nonrecording gage at same site and datum.

REMARKS.--Records fair except for winter periods which are poor. Occasional regulation by Stonelick Lake 14 mi upstream. Surface area at spillway level, 171 acres. Flow regulated by William H. Harsha Reservoir, formerly East Fork Lake, since 1977. Water-quality data collected at this site 1964 to 1977.

AVERAGE DISCHARGE.--61 years (1915-17, 1925-84), 552 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,400 ft³/s Mar. 10, 1964, gage height, 23.84 ft; minimum daily, 0.4 ft³/s July 24, 1930, Sept. 11, 12, 23, 1939; minimum gage height, -0.18 ft Oct. 3-7, 1917. Maximum discharge since start of construction of East Fork Dam 23,200 ft³/s Aug. 30, 1974, gage height, 19.52 ft, result of failure of cofferdam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,200 ft³/s Feb. 13, gage height, 11.20 ft; minimum daily, 22 ft³/s July 24, Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	95	2340	387	222	665	1940	182	1180	34	24	29
2	28	111	1370	110	216	475	993	136	274	35	24	29
3	28	190	465	84	866	622	647	920	161	33	26	35
4	41	340	1700	70	793	622	952	1150	147	36	23	44
5	56	310	1450	60	593	2290	2620	1380	131	55	24	33
6	113	180	1990	56	711	1950	2780	1130	85	76	24	31
7	111	160	2150	54	1070	2140	2450	691	78	77	25	29
8	110	160	2320	49	908	1940	1340	1720	64	44	349	27
9	105	160	1530	46	653	1220	521	1800	58	36	107	26
10	72	160	874	44	270	325	490	1820	57	33	404	30
11	57	170	460	42	480	250	337	944	49	28	61	29
12	62	160	960	41	647	225	196	374	50	32	45	26
13	417	150	1270	41	3290	553	152	222	46	30	34	26
14	370	130	1030	40	3000	944	140	207	46	26	29	26
15	336	448	960	39	2690	1060	121	196	45	24	27	26
16	237	518	500	37	2950	2170	161	185	42	26	26	23
17	130	620	270	36	2750	1820	432	145	43	26	25	23
18	346	883	120	35	2140	1510	369	111	43	23	330	23
19	611	855	82	35	1290	800	277	98	56	24	357	23
20	2290	855	81	37	576	1210	193	93	52	24	291	23
21	2540	812	81	34	422	2920	968	91	68	25	169	22
22	2180	558	532	34	302	2910	3520	86	44	24	111	23
23	2030	2560	616	41	177	2840	2330	349	45	24	83	34
24	2500	1200	542	793	201	2640	3190	738	49	22	75	413
25	3200	1200	387	1290	237	2330	3150	993	46	23	50	310
26	3000	1740	88	1940	207	1680	3130	765	37	30	37	451
27	2970	1900	77	1840	166	1200	2630	413	36	32	34	475
28	2800	3710	475	1060	404	2020	1460	1360	37	27	35	113
29	2180	2800	653	634	587	2100	422	1540	36	24	36	71
30	1200	2820	829	257	---	2500	204	2000	36	23	32	46
31	248	---	765	313	---	2420	---	2180	---	26	30	---
TOTAL	30395	25955	26967	9579	28878	48351	38115	24019	3141	1004	2947	2519
MEAN	980	865	870	309	996	1560	1271	775	105	32.4	95.1	84.0
MAX	3200	3710	2340	1940	3290	2920	3520	2180	1180	78	404	475
MIN	27	95	77	34	166	225	121	86	36	22	23	22

CAL YR 1983 TOTAL 240282 MEAN 658 MAX 5680 MIN 25
WTR YR 1984 TOTAL 241870 MEAN 661 MAX 3710 MIN 22

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03255500 MILL CREEK AT READING, OH

LOCATION.--Lat 39°13'14", long 84°26'49", in sec. 32, R.1, T.4, Hamilton County, Hydrologic Unit 05090203, on right bank at upstream side of Koehler Street Bridge at Reading, 1.0 mi upstream from West Fork Mill Creek, and 13.0 mi upstream from mouth.

DRAINAGE AREA.--73.0 mi².

PERIOD OF RECORD.--October 1938 to April 1939, June 1939 to current year.

REVISED RECORDS.--WSP 1908: Drainage area. WRD OH-83-1: 1980-82 (P).

GAGE.--Water-stage recorder. Datum of gage is 527.00 ft Ohio River datum. Prior to Oct. 1, 1951, water-stage recorder or nonrecording gage at same site at datum 4.00 ft higher. Oct. 1, 1951, to Apr. 25, 1954, nonrecording gage at present site and datum.

REMARKS.--Records fair. Some diversion and ground water pumpage from Mill Creek and Great Miami River basin by industrial plants of the greater Cincinnati area upstream from station. Water-quality data collected at this site 1965 to 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,780 ft³/s Mar. 6, 1945, gage height, 20.00 ft present datum; no flow for many days in 1940-41, 1944, 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,700 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 13	0830	1880	10.07	Apr. 5	----	2260	-----
Oct. 20	1930	*2460	*11.55	Apr. 22	----	2160	-----

Minimum daily 3.5 ft³/s July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	20	60	16	27	67	70	45	45	6.2	13	8.9
2	6.6	47	70	15	35	82	64	40	39	10	15	7.3
3	7.0	44	84	14	160	92	74	300	35	10	22	107
4	86	25	450	13	77	72	250	250	33	188	30	26
5	65	22	135	13	51	579	940	190	30	538	13	20
6	13	18	185	12	30	253	490	170	27	253	12	14
7	8.1	18	102	11	25	115	400	120	24	76	10	14
8	6.6	18	75	11	22	106	200	290	23	30	459	12
9	5.9	18	62	11	20	75	120	160	17	25	39	13
10	7.3	119	51	13	25	68	77	100	13	23	21	39
11	8.5	171	133	10	106	68	69	76	15	21	13	14
12	23	64	208	9.0	72	56	71	74	17	18	10	13
13	671	38	92	8.6	519	253	115	70	15	14	11	11
14	45	31	84	8.4	330	179	72	54	28	12	11	16
15	20	80	90	8.0	121	126	65	45	19	10	11	12
16	12	104	56	7.4	84	423	164	38	13	14	9.7	8.1
17	12	70	43	7.0	70	131	197	32	9.7	13	11	8.9
18	193	45	36	6.8	56	112	120	25	105	11	76	10
19	47	38	31	6.4	52	86	70	22	175	8.9	18	10
20	811	57	29	6.0	45	454	60	25	84	8.9	13	10
21	396	70	55	5.2	41	569	200	54	86	7.3	12	11
22	318	56	148	4.8	37	231	900	45	59	3.5	39	9.7
23	281	652	30	10	35	137	250	520	175	5.7	30	71
24	96	233	26	350	53	100	150	160	79	8.9	14	352
25	55	86	23	84	112	160	130	90	28	86	12	55
26	39	60	22	72	53	130	120	230	18	50	8.1	120
27	31	143	21	52	47	100	100	50	15	29	10	22
28	28	624	20	34	121	400	84	250	13	17	14	14
29	22	171	19	30	80	250	50	150	12	6.0	13	11
30	16	79	18	35	---	200	80	80	9.3	6.0	12	17
31	18	---	17	30	---	100	---	50	---	8.8	11	---
TOTAL	3354.6	3222	2475	913.6	2506	5863	5752	3805	1263.0	1518.2	991.8	1056.9
MEAN	108	107	79.8	29.5	86.4	189	192	123	42.1	49.0	32.0	35.2
MAX	811	652	450	350	519	579	940	520	175	538	459	352
MIN	5.9	18	17	4.8	20	56	50	22	9.3	3.5	8.1	7.3

CAL YR 1983 TOTAL 30233.1 MEAN 82.8 MAX 1980 MIN 5.3
WTR YR 1984 TOTAL 32723.1 MEAN 89.4 MAX 940 MIN 3.5

03259000 MILL CREEK AT CARTHAGE, OH

LOCATION.--Lat 39°12'07", long 84°28'16", in SW 1/4 sec. 1, R.1, T.3, Hamilton County, Hydrologic Unit 05090203, on right bank 100 ft downstream from Anthony Wayne Avenue Bridge in Carthage, 1.0 mi downstream from West Fork Mill Creek, and 11.0 mi upstream from mouth.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--November 1946 to current year.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 507.00 ft Ohio River datum. Prior to Oct. 1, 1954 at site 100 ft upstream at datum 5.00 ft higher. Oct. 1, 1954 to Sept. 30, 1977 at same site at datum 5.00 ft higher.

REMARKS.--Records fair except those for winter periods and periods of doubtful record, April 7-18 and July 8 to August 8 which are poor. Some inter-basin transfers of water between Mill Creek and Great Miami River basins by industrial and municipal operations. Flow regulated by West Fork Mill Creek Reservoir, 6.9 mi upstream, beginning 1953. Water-quality data collected at this site 1965 to 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,030 ft³/s Sept. 14, 1979, gage height, 21.82 ft present datum, from rating curve extended above 4,000 ft³/s on basis of slope-area measurement of peak flow; no flow many days in 1947-48.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,760 ft³/s Apr. 22, gage height 13.20 ft; minimum daily, 5.0 ft³/s July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	14	90	26	33	85	113	70	44	14	20	9.9
2	8.4	22	82	24	31	99	102	63	37	16	27	8.1
3	8.3	54	110	23	211	109	113	452	31	17	45	125
4	118	26	571	21	147	113	397	405	31	263	70	58
5	88	21	308	20	73	687	1440	293	35	678	25	92
6	55	34	504	18	45	530	770	307	33	374	18	17
7	44	22	208	17	25	150	500	184	30	173	12	14
8	11	15	142	17	20	125	300	422	29	60	600	13
9	8.5	14	100	17	18	92	170	268	19	50	148	12
10	8.1	83	68	19	25	195	120	160	16	32	23	38
11	8.9	337	152	17	111	85	100	120	19	26	16	16
12	13	180	286	15	110	81	80	144	19	21	13	14
13	747	65	133	13	526	327	180	108	19	17	13	12
14	265	50	116	12	550	354	120	84	31	14	14	17
15	209	46	118	12	323	154	100	68	20	12	13	12
16	16	104	151	11	119	645	250	60	16	15	13	8.4
17	11	138	150	11	115	360	310	51	16	13	13	8.1
18	239	92	51	10	78	196	160	39	67	11	66	9.3
19	83	56	31	9.6	64	134	110	34	42	10	19	9.9
20	915	42	27	9.0	62	498	92	36	94	9.0	14	10
21	655	61	49	8.4	65	802	328	81	82	7.4	14	11
22	667	82	229	7.4	44	535	1360	64	63	5.0	35	10
23	614	496	70	7.0	44	212	748	766	179	7.0	31	76
24	479	415	45	400	50	159	752	241	92	10	15	402
25	140	317	38	173	211	234	482	139	35	54	13	215
26	45	126	35	146	88	186	188	333	22	100	14	190
27	27	171	33	58	62	148	152	73	20	250	14	39
28	23	918	32	28	176	615	127	363	19	20	16	14
29	19	365	30	48	133	551	74	245	19	6.9	14	11
30	16	132	29	31	---	268	101	154	16	6.9	13	16
31	14	---	28	32	---	165	---	78	---	9.3	12	---
TOTAL	5563.6	4498	4016	1260.4	3559	8894	9839	5905	1195	2301.5	1373	1497.7
MEAN	179	150	130	40.7	123	287	328	190	39.8	74.2	44.3	49.6
MAX	915	918	571	400	550	802	1440	766	179	678	600	402
MIN	8.1	14	27	7.0	18	81	74	34	16	5.0	12	8.1

CAL YR 1983 TOTAL 44660.2 MEAN 122 MAX 2160 MIN 6.0
WTR YR 1984 TOTAL 49892.2 MEAN 136 MAX 1440 MIN 5.0

03260700 BOKENGEHALAS CREEK NEAR DE GRAFF, OH

LOCATION.--Lat 40°20'50", long 83°53'28", in E. 1/2 sec. 3, R.14, T.2, Logan County, Hydrologic Unit 05080001, on right bank at downstream side of county road bridge, 2 mi downstream from Bluejacket Creek, 2.8 mi northeast of De Graff, and 4 mi upstream from mouth.

DRAINAGE AREA.--36.3 mi².

PERIOD OF RECORD.--October 1957 to current year. Prior to October 1962, published as Buckongahelas Creek near Degraff.

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,008.76 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for the winter period, which are poor. Diurnal fluctuation caused by municipal plant operation in Bellefontaine, 9.8 mi upstream; since storage capacity is small, daily flows are not affected appreciably. Water-quality data collected at this site 1965 to 1973.

COOPERATION.--Gage height tapes and 9 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--27 years, 33.1 ft³/s, 12.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,780 ft³/s Jan. 21, 1959, gage height, 6.83 ft; minimum daily, 2.2 ft³/s Sept. 29, 30, Oct. 7, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 25	2215	320	----	Mar. 16	0915	* 396	*4.00
Feb. 3	1345	328	3.53	Mar. 26	0030	352	3.70
Feb. 14	0115	367	3.80				

Minimum daily discharge, 7.3 ft³/s Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	13	44	21	14	37	58	59	31	12	9.6	8.5
2	8.5	17	40	20	18	31	52	55	25	11	9.6	7.7
3	8.5	53	36	19	207	27	56	54	25	11	9.6	15
4	9.6	35	98	19	71	25	103	60	24	11	44	10
5	42	24	111	18	44	38	199	58	24	27	29	9.3
6	12	19	162	18	31	47	158	54	23	19	14	8.9
7	10	17	104	17	28	41	96	52	22	17	13	8.9
8	10	16	67	17	26	39	74	53	22	13	13	8.9
9	9.6	14	56	16	24	43	65	54	19	12	14	8.5
10	9.3	23	51	16	40	33	60	52	18	13	12	13
11	9.3	113	79	15	92	29	52	48	17	12	13	9.3
12	9.6	59	219	15	73	25	49	53	17	12	12	8.9
13	52	37	103	14	118	25	54	49	17	11	11	8.5
14	21	32	77	14	214	27	65	45	20	10	11	10
15	12	42	68	13	90	47	77	44	15	9.6	11	8.9
16	11	77	54	13	66	286	77	42	15	10	10	7.3
17	10	64	45	13	56	127	132	40	15	10	10	8.5
18	21	44	42	12	50	78	99	39	15	10	11	8.5
19	16	39	39	12	48	63	84	38	15	10	10	8.5
20	16	37	36	12	44	101	75	45	14	10	10	8.5
21	21	44	33	12	42	244	64	100	14	10	9.6	8.1
22	50	35	40	15	39	144	143	76	14	10	11	8.1
23	56	88	37	38	37	99	190	90	17	9.6	11	8.1
24	33	114	34	80	34	93	165	64	16	9.6	10	8.5
25	23	58	31	140	39	144	101	52	13	12	9.6	8.1
26	18	43	29	80	38	219	83	48	13	2	9.3	13
27	16	39	27	50	35	119	73	44	12	4	9.3	8.5
28	14	197	25	25	29	97	67	41	12	0	9.6	9.3
29	13	91	24	20	33	96	60	41	12	9.6	9.3	8.1
30	13	58	23	17	---	76	62	39	12	8.9	9.3	8.1
31	13	---	22	15	---	65	---	34	---	9.6	8.9	---
TOTAL	576.3	1542	1856	806	1600	2565	2693	1624	530	3 5.9	383.7	273.5
MEAN	18.6	51.4	59.9	26.0	57.9	82.7	89.8	52.4	17.7	1.8	12.4	9.12
MAX	56	197	219	140	214	286	199	100	31	27	44	15
MIN	8.5	13	22	12	14	25	49	34	12	8.9	8.9	7.3
CFSM	.51	1.42	1.65	.72	1.60	2.28	2.47	1.44	.49	.33	.34	.25
IN.	.59	1.58	1.90	.83	1.72	2.63	2.76	1.66	.54	37	.39	.28

CAL YR 1983 TOTAL 11373.7 MEAN 31.2 MAX 251 MIN 7.1 CFSM .86 IN 11.66
WTR YR 1984 TOTAL 14895.4 MEAN 40.7 MAX 286 MIN 7.3 CFSM 1.12 IN 15.26

03261500 GREAT MIAMI RIVER AT SIDNEY, OH

LOCATION.--Lat 40°17'13", long 84°09'00", Shelby County, Hydrologic Unit 05080001, on right bank 50 ft upstream from North Street Bridge in Sidney, and 0.5 mi downstream from Tawawa Creek.

DRAINAGE AREA.--541 mi².

PERIOD OF RECORD.--February 1914 to current year. Prior to October 1962, published as Miami River at Sidney.

REVISED RECORDS.--WSP 1305: 1914(M), 1922(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 924.70 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 18, 1919, nonrecording gage at site 50 ft downstream at datum 1.76 ft higher. Sept. 18, 1919, to August, 1925, nonrecording gage at site 50 ft downstream at present datum.

REMARKS.--Records good except those for the winter period, which are fair. Water supply for city of Sidney is pumped from the Great Miami River 1,200 ft upstream and from wells adjacent to Great Miami River upstream from station. The pumpage averaged 4.3 ft /s in 1984 and is returned as sewage 1.2 mi downstream from the station. Some regulation by Indian Lake, 28 mi upstream, capacity, 45,900 acre-ft; water diverted into Miami and Erie Canal at Port Jefferson, 2.8 mi upstream, prior to 1926; amount of diversion not published. Sediment data collected at this site 1967 to 1975.

COOPERATION.--Gage-height tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--59 years (1925-84) 479 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft³/s Mar. 20, 1927, gage height 14.4 ft, from rating curve extended above 8,700 ft³/s on basis of velocity-area studies; maximum gage height, 15.91 ft Jan. 21, 1959; minimum discharge, 1.5 ft³/s Aug. 13 1963, result of temporary storage behind dam upstream; minimum daily discharge, 8.0 ft³/s Sept. 23, 1935.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913 reached a stage of 19.6 ft, present datum, discharge, 44,000 ft³/s, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	1330	4,540	7.73	Apr. 24	0230	* 4,700	* 7.88
Mar. 21	2230	4,230	7.44				

Minimum daily discharge 25 ft³/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	115	1510	210	270	260	900	538	234	107	63	49
2	25	117	1020	200	240	250	700	460	212	99	62	48
3	27	275	687	200	1700	230	600	397	209	98	64	54
4	28	614	1300	190	1910	250	800	467	211	97	68	59
5	68	428	2360	180	1080	327	2000	413	175	184	195	81
6	126	281	2920	170	556	636	3000	343	165	193	151	66
7	84	203	2780	160	334	623	2800	328	158	193	100	58
8	61	170	2150	150	240	539	1900	333	146	192	89	56
9	50	146	1620	150	280	350	1300	372	134	127	90	58
10	46	148	1210	140	350	300	900	318	128	112	126	58
11	43	848	1280	130	1260	280	708	278	123	102	133	63
12	49	1490	2780	130	1390	260	567	329	120	97	119	59
13	163	1040	2490	120	1560	260	513	419	118	96	95	57
14	382	613	1940	110	2800	280	525	379	129	88	82	56
15	256	533	1520	110	2260	481	794	346	122	82	72	59
16	152	1520	1070	100	1750	3800	1100	289	122	80	65	58
17	110	1800	750	94	1360	3830	2040	239	118	74	60	56
18	109	1520	570	90	1030	3110	2180	210	111	73	62	51
19	140	1100	400	86	897	2330	1930	203	108	72	65	47
20	137	868	370	82	777	2460	1500	239	104	75	59	45
21	205	1110	400	78	628	3970	1100	778	108	68	58	42
22	489	975	500	74	519	3880	2270	858	150	65	67	42
23	1260	1320	400	86	443	3160	4130	835	115	63	63	41
24	1030	2520	330	150	398	2630	4400	884	175	63	63	41
25	624	2040	290	838	478	2580	3510	559	304	64	60	52
26	375	1440	320	1360	528	3430	2570	415	189	75	55	60
27	254	968	290	1620	528	2820	1830	401	131	95	52	77
28	193	2570	270	1030	550	2270	1270	341	111	95	50	68
29	155	2700	250	545	420	2130	839	384	105	79	48	59
30	146	2090	230	380	---	1600	630	340	107	71	48	53
31	127	---	210	310	---	1200	---	278	---	66	46	---
TOTAL	6943	31562	34217	9273	26536	58526	49306	12973	4441	3005	2430	1693
MEAN	224	1052	1104	299	915	1630	1644	418	148	96.9	78.4	56.1
MAX	1260	2700	2920	1620	2800	3970	4400	884	304	193	195	81
MIN	25	115	210	74	240	230	513	203	104	63	46	41

CAL YR 1983 TOTAL 169852 MEAN 465 MAX 4480 MIN 24
WTR YR 1984 TOTAL 232895 MEAN 636 MAX 4400 MIN 25

03261950 LORAMIE CREEK NEAR NEWPORT, OH

LOCATION.--Lat 40°18'25", long 84°23'02", in SE 1/4 sec, 24, T.11 N., R.4 E., Shelby County, Hydrologic Unit 05080001, right bank at downstream side of bridge on Cardo Roman Road, 1.1 mi northwest of Newport, 3 mi south of Fort Loramie, 3 mi downstream from Mile Creek and at mile 16.5.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--October 1964 to current year.

REVISED RECORDS.--WRD Ohio 1971: 1966(M).

GAGE.--Water-stage recorder. Datum of gage is 926.57 ft National Geodetic Vertical Datum of 1929. October 1, 1964 to September 30, 1980 Water-stage recorder at same site at datum 0.43 ft higher.

REMARKS.--Records good except those for winters period and those for periodr of questionable gage-height record Aug. 21 to Sept. 21, which are fair. Some regulation by Lake Loramie 5 mi upstream, capacity, 13,000 acre-ft. Sediment data collected at this site 1967 to 1975.

COOPERATION.--Gage-height tapes and 11 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--20 years, 133 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,600 ft³/s June 14, 1981, maximum gage height, 14.08 ft Feb. 24, 1975; minimum daily, 0.10 ft³/s Aug. 15, 16, 1965, Sept. 10-12, 14, 15, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913 reached a stage of 17.0 ft and flood of Jan. 21, 1959 a stage of 14.2 ft, from flood profile furnished by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	2400	* 2,500	* 12.00	Apr. 6	0430	1,750	10.90
Mar. 21	1200	1,740	10.88	Apr. 23	2400	1,970	11.25

Minimum daily discharge 1.0 ft³/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	12	253	15	8.0	66	80	34	45	3.9	2.3	2.8
2	1.0	16	162	14	76	60	87	36	37	3.3	2.6	3.1
3	1.0	105	126	14	753	54	98	44	31	14	2.7	5.1
4	1.3	163	489	13	686	50	246	54	24	9.3	10	71
5	12	139	986	13	357	76	1020	39	19	89	39	51
6	6.7	98	1090	12	222	159	1580	35	17	211	39	29
7	3.8	47	1040	12	158	191	892	30	14	209	21	13
8	4.8	15	510	11	19	152	427	29	10	77	71	9.4
9	3.0	8.8	277	11	13	126	244	25	8.8	33	174	6.1
10	4.8	8.8	201	11	38	90	164	26	7.3	19	76	6.3
11	2.6	313	383	10	430	70	116	24	6.7	11	144	14
12	1.7	428	1050	10	448	62	89	45	5.9	8.0	81	12
13	67	245	726	10	465	60	89	41	5.8	5.6	38	7.2
14	48	189	402	9.7	638	66	87	37	12	4.1	19	6.6
15	8.0	399	287	9.2	437	112	106	27	9.6	3.3	11	8.3
16	2.1	937	211	9.0	300	1750	420	21	4.9	3.3	6.3	5.3
17	1.2	743	149	8.6	236	2240	1210	17	6.2	2.9	4.5	3.4
18	3.6	426	100	8.4	207	1320	911	15	5.9	3.4	3.7	2.7
19	2.8	299	56	8.2	206	680	562	13	8.0	3.2	3.1	2.5
20	15	272	35	8.0	169	783	365	22	6.8	2.5	3.0	2.6
21	39	226	27	8.0	133	1680	246	122	23	3.1	3.0	2.6
22	302	202	24	7.8	104	1460	866	116	23	3.1	7.0	2.7
23	743	325	22	7.8	88	953	1910	472	13	2.4	5.9	2.9
24	498	897	21	15	77	625	1730	362	31	2.9	4.4	4.2
25	247	548	20	112	129	604	1030	181	34	6.3	3.1	5.6
26	136	275	23	328	190	1030	512	118	13	4.6	2.6	14
27	75	185	21	479	180	757	313	75	7.3	6.2	2.3	12
28	31	1070	19	160	110	597	261	79	5.5	4.4	2.2	8.8
29	28	1110	18	35	76	532	145	122	4.9	2.8	2.2	6.1
30	20	526	17	13	---	351	50	81	4.7	2.3	2.8	4.9
31	13	---	16	7.6	---	99	---	62	---	2.3	2.8	---
TOTAL	2323.4	10227.6	8761	1390.3	6953.0	16855	15856	2404	446.2	756.2	788.5	335.2
MEAN	74.9	341	283	44.8	240	544	529	77.5	14.9	24.4	25.4	11.2
MAX	743	1110	1090	479	753	2240	1910	472	45	211	174	71
MIN	1.0	8.8	16	7.6	8.0	50	50	13	4.7	2.3	2.2	2.5

CAL YR 1983 TOTAL 44306.73 MEAN 121 MAX 1740 MIN .30
WTR YR 1984 TOTAL 67096.40 MEAN 183 MAX 2240 MIN 1.0

03262000 LORAMIE CREEK AT LOCKINGTON, OH

LOCATION.--Lat 40°12'35", long 84°14'32", in NE 1/4 sec. 30, T.7 N., R.6 E., Shelby County, Hydrologic Unit 05080001, on left bank at downstream side of county road bridge, 1,300 ft downstream from Lockington Dam, 0.5 mi northwest of Lockington, and at mile 1.9.

DRAINAGE AREA.--257 mi².

PERIOD OF RECORD.--October 1915 to current year.

REVISED RECORDS.--WSP 923: 1916. WSP 1908: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 800.03 ft National Geodetic Vertical Datum of 1929. Prior to July 3, 1924, nonrecording gage at same site at datum 75.96 ft higher. July 3, 1924, to Aug. 17, 1926, nonrecording gage, and Aug. 18 to Sept. 30, 1926, water-stage recorder, at same site at datum 74.96 ft higher.

REMARKS.--Records good except those for winter period, which are fair. Slight regulation by Lake Loramie 18 mi upstream, capacity, 13,000 acre-ft. Flood flow regulated by Lockington retarding basin beginning in 1921.

COOPERATION.--Gage-height tapes and 9 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--69 years, 209 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s May 7, 1916, gage height, 86.4 ft, present datum, from rating curve extended above 5,400 ft³/s; minimum daily, 1.4 ft³/s Sept. 20, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913 reached a stage of 91.6 ft, present datum, discharge, 25,600 ft³/s, at site upstream from Turtle Creek, drainage area, 211 mi, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,710 ft³/s Mar. 16, gage height, 82.72 ft; minimum daily, 1.9 ft³/s Oct. 1, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	31	360	49	32	130	170	116	102	18	9.5	8.0
2	2.0	27	234	46	32	110	160	98	82	17	9.2	8.3
3	1.9	59	190	44	1240	100	166	103	70	16	12	8.9
4	1.9	128	1020	41	1050	90	417	121	65	33	10	51
5	5.4	112	1470	38	515	150	1460	106	55	65	29	55
6	16	88	1560	36	250	292	2330	93	45	300	55	37
7	13	65	1380	34	160	328	1380	87	39	336	46	23
8	7.2	52	776	32	130	270	672	86	36	148	38	17
9	6.0	40	424	31	110	190	389	86	32	77	218	15
10	6.0	34	321	30	160	160	270	76	29	51	142	13
11	4.6	292	643	29	599	140	203	72	24	36	250	17
12	4.1	480	1600	27	683	120	165	91	24	28	208	20
13	33	303	1180	26	776	110	159	101	23	24	120	16
14	100	194	694	25	1090	120	158	88	23	20	67	13
15	43	395	497	24	706	215	195	76	31	20	41	13
16	21	1200	353	23	472	2940	551	63	29	17	26	14
17	12	976	249	22	380	3340	1400	55	24	15	21	12
18	13	542	202	22	334	2110	1330	47	20	18	15	9.5
19	16	353	160	21	334	1080	955	44	21	18	15	8.3
20	18	347	150	20	292	1390	541	51	24	18	11	7.4
21	74	395	170	20	229	2500	371	420	22	18	10	6.7
22	464	275	130	19	186	2170	1840	253	39	15	12	6.4
23	990	672	110	19	156	1350	2930	884	38	12	17	6.3
24	620	1220	96	39	137	892	2690	577	30	11	16	6.5
25	328	776	86	194	170	933	1510	305	55	11	12	7.4
26	190	409	100	388	275	1360	797	199	41	14	10	13
27	128	264	90	464	281	1080	439	143	29	19	10	20
28	84	1680	78	250	203	801	361	119	22	15	9.0	20
29	54	1370	68	110	150	813	265	217	20	17	7.6	18
30	51	729	60	60	---	515	152	162	19	17	7.0	14
31	39	---	54	36	---	264	---	126	---	12	7.2	---
TOTAL	3348.0	13508	14545	2219	11129	26063	24325	5065	1111	1436	1459.5	504.7
MEAN	108	450	469	71.6	384	841	811	163	37.0	46.3	47.1	16.8
MAX	990	1680	1600	464	1240	3340	2930	884	102	336	250	55
MIN	1.9	27	54	19	32	90	152	44	19	11	7.0	6.3

CAL YR 1983 TOTAL 69620.8 MEAN 191 MAX 2260 MIN 1.4
WTR YR 1984 TOTAL 104713.2 MEAN 286 MAX 3340 MIN 1.9

03262700 GREAT MIAMI RIVER AT TROY, OH

LOCATION.--Lat 40°02'25", long 84°11'52", Miami County, Hydrologic Unit 05080001, 400 ft (122 m) downstream from B. and O. Railroad bridge, 1,300 ft downstream from bridge on State Highway 55 at Troy, 1.2 mi upstream from small left bank tributary, 2.3 mi downstream from Spring Creek, and at mile 105.

DRAINAGE AREA.--926 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961, 1962 (published as Miami River at Troy). October 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 810.67 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for winter periods and those after Apr. 27, which are fair. Flood flow regulated by retarding basin on Loramie Creek, 18 mi upstream. Low and medium flow slightly regulated by Indian Lake; capacity, 45,900 acre-ft, 54 mi upstream. Water supply for city of Troy is pumped from wells adjacent to the Great Miami River upstream from the station. The pumpage averaged 5.1 ft^3/s in 1984 and is returned as sewage 1 mi downstream from the station. Water quality data collected at this site 1965 to 1974. Sediment data collected 1970 to 1974.

COOPERATION.--Gage-height tapes and 9 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--22 years, 813 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,300 ft^3/s Mar. 6, 1963, gage height, 14.66 ft; minimum, 0.50 ft^3/s July 12, 13, 1963, result of temporary storage during repair of dam upstream; minimum daily discharge, 4.3 ft^3/s July 17, 1977 result of dam closure upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 11, 1958 reached a stage of 16.4 ft, discharge, 21,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,950 ft^3/s Mar. 16, gage height, 10.20 ft; minimum daily, 35 ft^3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	174	2400	320	283	564	1260	1320	562	152	99	55
2	36	170	1660	310	313	535	1030	1170	459	150	105	56
3	40	210	1090	300	2580	489	936	1070	412	139	109	58
4	43	644	2320	290	3770	466	1430	1100	393	159	130	71
5	140	653	4320	280	2200	532	3980	1080	344	169	153	142
6	117	457	4760	270	1070	1010	6070	931	283	602	232	120
7	143	336	4710	260	620	1180	4600	859	242	586	206	105
8	97	273	3620	250	420	1020	3220	824	224	455	168	78
9	82	220	2630	230	370	640	2290	841	219	248	253	81
10	68	206	1960	210	430	560	1620	789	201	190	243	97
11	63	624	2090	200	1760	520	1200	691	192	171	408	92
12	54	2270	4710	190	2490	480	919	707	180	152	380	95
13	230	1720	4290	180	2600	450	878	850	184	139	234	94
14	403	984	3290	170	4250	480	882	789	304	132	166	105
15	411	801	2560	160	3520	690	1070	789	205	124	138	97
16	254	2810	1870	150	2740	6430	1740	594	180	116	112	96
17	168	3330	1240	140	2150	7980	3500	531	172	104	100	96
18	161	2600	928	130	1700	5850	3890	459	168	101	92	96
19	165	1840	635	120	1470	4040	3280	299	164	96	98	80
20	207	1450	590	120	1290	3950	2730	487	164	93	89	73
21	270	1690	660	110	998	7210	2210	1670	159	92	82	58
22	772	1560	786	100	812	7030	3950	1900	171	90	77	63
23	2790	1940	640	110	697	5300	7540	2350	202	93	76	63
24	2270	4500	350	130	628	4120	7730	2310	179	92	81	57
25	1270	3580	320	452	660	3760	5720	1580	348	107	77	58
26	706	2450	340	903	871	5470	4050	1040	331	100	79	107
27	460	1630	400	1330	893	4580	3120	841	223	119	78	94
28	341	4090	380	997	888	3700	2560	748	172	117	76	109
29	257	4720	350	635	757	3620	2040	806	150	132	73	105
30	213	3580	320	459	---	2810	1670	824	150	115	71	93
31	206	---	310	321	---	1850	---	660	---	106	67	---
TOTAL	12472	51512	56529	9827	43230	87316	87115	30909	7341	5241	4352	2624
MEAN	402	1717	1824	317	1491	2817	2904	997	245	169	140	87.5
MAX	2790	4720	4760	1330	4250	7980	7730	2350	562	602	408	142
MIN	35	170	310	100	283	450	878	299	150	90	57	53

CAL YR 1983 TOTAL 284128 MEAN 778 MAX 7050 MIN 18
WTR YR 1984 TOTAL 398468 MEAN 1089 MAX 7980 MIN 35

03263000 GREAT MIAMI RIVER AT TAYLORSVILLE, OH

LOCATION.--Lat 39°52'27", long 84°09'45", in SW 1/4 sec. 36, R.8 T.2, Montgomery County, Hydrologic Unit 05080001, on right upstream face of Taylorsville Dam, 0.8 mi north of Taylorsville, 2.1 mi east of Vandalia, 9.5 mi upstream from Stillwater River, and at mile 90.9.

DRAINAGE AREA.--1,149 mi^2 .

PERIOD OF RECORD.--January 1914 to September 1917 (published as Miami River at Tadmor), October 1921 to current year (published as Miami River at Taylorsville 1921-62). Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site at Tadmor, January 1914 to July 1920, are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 743: 1924(M). WSP 853: 1930, 1937. WSP 923: 1922-24. WSP 1385: 1916. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 760.11 ft, National Geodetic Vertical Datum of 1929, levels by Miami Conservancy District. Prior to October 1921, nonrecording gage at site 1.7 mi upstream at different datum. Jan. 1, 1922, to Nov. 11, 1925, nonrecording gage at site 50 ft downstream at outlet works of Taylorsville Dam at datum 60.03 ft lower. October 1921 to September 1978 at site 650 ft downstream at datum 60.03 ft lower.

REMARKS.--Records good except those for the winter period, which are fair. Flood flow regulated by retarding basins on Great Miami River, just downstream from station and on Loramie Creek 28 mi upstream from station beginning in 1921. Low and medium flow slightly regulated by Indian Lake 64 mi upstream from station, and by Lake Loramie 47 mi upstream from station on Loramie Creek; combined capacity, 58,900 acre-ft.

COOPERATION.--Base data furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--66 years, 1,001 ft^3/s, 11.83 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft^3/s Jan. 22, 1959, gage height, 75.44 ft at site and datum then in use; minimum daily, 25 ft^3/s July 18, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 25.4 ft at site at Tadmor, discharge, 127,000 ft^3/s computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft^3/s Mar. 17, gage height, 14.26 ft; minimum daily, 64 ft^3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	244	2500	560	350	784	1640	1100	640	232	144	114
2	67	229	1700	540	380	717	1350	979	556	233	149	114
3	67	275	1300	520	2340	657	1270	961	507	222	144	131
4	74	530	2000	500	4030	625	1580	1010	484	276	176	124
5	154	771	3200	500	2370	756	4[illegible]70	981	456	449	279	160
6	163	558	4700	480	1350	1290	7760	864	410	753	265	183
7	176	428	6200	460	835	1450	6050	804	381	721	308	152
8	141	350	4000	440	647	1320	3740	806	351	606	741	135
9	115	300	2680	420	574	972	2610	821	336	430	368	127
10	100	263	2110	400	587	905	1950	774	306	338	407	146
11	98	410	2040	370	1510	879	1520	703	296	276	492	140
12	91	1910	5190	350	2380	701	1280	696	280	257	512	135
13	320	1800	4940	320	2510	709	1150	766	273	235	388	138
14	423	1180	3540	290	4720	754	1110	756	408	219	300	158
15	491	912	2780	270	4030	1090	1270	726	340	206	229	161
16	332	2040	2130	250	2900	6000	1860	627	300	210	201	129
17	229	3040	1550	240	2300	9860	3960	559	276	181	181	125
18	214	2520	1230	240	1850	7870	4580	524	269	173	169	126
19	224	1900	900	230	1640	4920	3790	452	268	158	167	121
20	262	1500	780	230	1490	4040	2920	557	268	151	153	111
21	375	1580	820	220	1240	8930	2240	1740	264	151	147	104
22	529	1610	960	220	1040	9300	3020	1930	243	147	149	98
23	2270	2200	760	240	906	6860	8730	2040	338	142	146	101
24	2240	4200	500	280	821	4920	9700	2210	752	143	142	113
25	1450	3300	460	1070	853	4080	7660	1540	486	159	138	114
26	885	2500	540	2210	1040	6450	4790	1110	530	160	137	196
27	616	1900	660	1540	1100	5670	3230	893	375	176	139	158
28	449	3500	600	1250	1100	4350	2370	850	299	170	137	142
29	353	4600	560	865	964	4180	1790	872	256	177	132	152
30	280	3600	520	678	---	3180	1420	871	239	187	125	135
31	273	---	540	460	---	2230	---	731	---	166	118	---
TOTAL	13525	50350	62390	16643	47897	106459	100650	30253	11187	8055	7283	4051
MEAN	436	1678	2013	537	1652	3434	3355	976	373	260	235	135
MAX	2270	4800	6200	2210	4720	9860	9700	2210	752	753	741	196
MIN	64	229	460	220	350	625	1110	452	239	142	118	98
CFSM	.38	1.46	1.75	.47	1.44	2.99	2.92	.85	.33	.23	.21	.12
IN.	.44	1.63	2.02	.54	1.55	3.45	3.26	.98	.36	.26	.24	.13

CAL YR 1983 TOTAL 338022 MEAN 926 MAX 10500 MIN 52 CFSM .81 IN 10.94
WTR YR 1984 TOTAL 458743 MEAN 1253 MAX 9860 MIN 64 CFSM 1.09 IN 14.85

03264000 GREENVILLE CREEK NEAR BRADFORD, OH

LOCATION --Lat 40°06'08", long 84°25'48", in SW 1/4 NW 1/4 sec. 34, T.9 N., R.4 E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on State Highway 721, 0.8 mi downstream from small left bank tributary, 1.8 mi south of Bradford, and 6 mi upstream from mouth.

DRAINAGE AREA.--193 mi^2 .

PERIOD OF RECORD.--October 1930 to current year. Prior to April 1931, monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 803: 1933(M). WSP 1235: 1936, 1937(M). WSP 1908: Drainage area. WRD-OH-82-1: 1980.

GAGE.--Water-stage recorder. Datum of gage is 948.9 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1942, nonrecording gage at same site and datum. Apr. 6, 1962 to Nov. 13, 1963, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Records fair. Some diurnal fluctuation caused by mill 8 mi upstream from station; daily flows are not affectedd appreciably. Sediment data collected at this site 1970 to 1974.

COOPERATION.--Gage-height tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--54 years, 172 ft^3/s, 12.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,320 ft^3/s May 14, 1933, gage height, 9.2 ft; maximum gage height, 10.31 ft Mar. 5, 1963, from high-water mark in well (ice jam); minimum discharge, 4.8 ft^3/s Sept. 17, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 12.1ft, discharge, 18,200 ft^3/s, at site with drainage area of 213 mi, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1500 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 17	0600	* 2,090	*6.02	Apr. 23	1600	2,050	5.97
Apr. 6	0900	1,600	5.01				

Minimum daily discharge 14 ft^3/s Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	41	191	64	126	130	289	243	90	75	32	20
2	14	43	156	62	127	120	252	219	84	70	30	21
3	14	52	137	60	835	110	240	218	83	57	29	20
4	14	51	286	60	793	100	338	233	78	98	30	24
5	33	50	476	60	328	120	893	212	75	194	43	24
6	37	47	519	60	180	195	1500	201	70	234	66	24
7	27	45	488	58	100	215	874	196	69	151	46	24
8	21	44	304	56	94	195	544	197	64	103	36	25
9	17	42	229	54	90	150	401	198	62	91	33	27
10	17	40	199	52	105	130	321	187	60	74	36	27
11	17	54	347	50	397	120	274	183	56	67	38	28
12	18	79	903	50	375	110	238	189	54	62	61	29
13	69	71	636	49	372	100	233	184	52	58	46	27
14	60	60	418	48	500	110	226	177	56	54	38	24
15	37	93	335	47	338	167	271	164	52	50	34	25
16	28	299	259	46	267	1560	454	158	49	48	30	27
17	23	209	199	45	239	1890	718	151	48	46	26	25
18	22	142	150	45	214	893	620	146	47	44	27	23
19	32	111	130	44	207	606	489	134	46	45	32	23
20	42	110	100	43	195	738	409	146	50	42	30	23
21	87	153	100	42	168	1230	341	533	54	45	28	23
22	127	139	110	41	146	890	928	578	52	46	26	22
23	229	206	96	40	133	633	1900	484	50	43	26	22
24	165	465	84	92	122	549	1470	315	330	40	29	21
25	89	275	86	150	139	563	848	237	280	37	30	26
26	67	185	88	300	188	841	597	190	229	43	29	57
27	58	145	82	453	209	600	452	197	177	48	26	50
28	53	575	78	272	180	521	360	161	134	45	25	37
29	44	518	74	183	150	600	298	140	104	38	24	32
30	40	277	72	161	---	443	279	130	89	35	23	29
31	39	---	68	138	---	339	---	119	---	34	21	---
TOTAL	1534	4621	7400	2925	7317	14968	17057	6820	2744	2107	1030	809
MEAN	49.5	154	239	94.4	252	483	569	220	91.5	68.0	33.2	27.0
MAX	229	575	903	453	835	1890	1900	578	330	234	66	57
MIN	14	40	68	40	90	100	226	119	45	34	21	20
CFSM	.26	.80	1.24	.49	1.31	2.50	2.95	1.14	.47	.35	.17	.14
IN.	.30	.89	1.43	.56	1.41	2.89	3.29	1.31	.53	.41	.20	.16

CAL YR 1983 TOTAL 46124.6 MEAN 126 MAX 1380 MIN 8.2 CFSM .65 IN 8.89
WTR YR 1984 TOTAL 69332.0 MEAN 189 MAX 1900 MIN 14 CFSM .98 IN 13.36

03265000 STILLWATER RIVER AT PLEASANT HILL, OH

LOCATION.--Lat 40°03'28", long 84°21'22", in SW 1/4 sec. 18, T.7 N., R.5 E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on Laurer Road, 0.8 mi northwest of Pleasant Hill, 2 mi downstream from Painter Creek, 2 mi upstream from Canyon Run, and at mile 28.35.

DRAINAGE AREA.--503 mi² .

PERIOD OF RECORD.--October 1916 to September 1928, October 1934 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at same site March 1922 to December 1963 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 523: 1917. WSP 1305: 1920(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 846.73 ft National Geodetic Vertical Datum of 1912. Prior to Dec. 23, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good except those for winter periods, which are fair. Sediment data collected at this site 1963 to 1975.

COOPERATION.--Gage-height tapes and 8 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--62 years, 444 ft³/s, 11.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft³/s Jan. 14, 1937, from rating curve extended above 14,500 ft³/s on basis of velocity-area study; maximum gage height, 18.46 ft June 29, 1980; minimum discharge observed, 4 ft³/s Oct. 17, 1920, July 12, 22, Aug. 30, 1921.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913 reached a stage of 17.5 ft. Discharge, at site about 3 mi upstream, 51,400 ft³/s, computed by Miami Conservancy District. This stage is not comparable with present gage heights because of failure of levee in 1913.

EXTREMES FOR CURRENT YEAR.--Peaks above base discharge of 5,000 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	2300	* 7,690	* 11.34	Apr. 6	0330	6,110	9.86
Mar. 21	0430	5,200	8.89	Apr. 23	0230	6,420	10.16

Minimum discharge 16 ft³/s Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	80	525	130	134	300	670	455	280	112	43	25
2	20	88	464	130	164	280	564	389	252	103	40	28
3	19	106	347	120	1810	260	524	392	231	107	41	33
4	18	134	1020	120	2350	240	925	420	209	175	55	33
5	52	141	1950	120	1100	280	3330	363	194	238	55	39
6	75	121	2090	110	457	564	5330	328	184	873	83	40
7	61	107	1840	110	240	623	2410	315	174	451	73	39
8	40	96	907	110	200	529	1340	326	153	253	62	36
9	32	91	632	100	200	350	952	321	149	170	51	35
10	26	88	529	100	180	300	732	294	140	138	88	41
11	24	106	1010	96	800	270	588	276	132	120	70	41
12	27	273	3310	94	1130	240	499	289	124	106	91	42
13	129	197	1870	92	1110	250	480	290	122	98	90	40
14	189	144	1140	92	1740	260	458	267	125	87	65	42
15	107	145	916	90	1040	400	592	241	119	80	51	39
16	65	1460	666	86	790	5920	1370	223	115	75	44	42
17	47	865	477	82	699	6040	2250	211	112	73	38	36
18	48	462	389	78	628	2560	1650	204	108	58	39	33
19	64	318	270	74	627	1550	1180	198	103	70	41	32
20	101	286	230	70	555	2480	965	219	100	56	43	30
21	238	570	240	72	437	4810	779	1240	131	56	41	29
22	485	411	260	74	360	3100	3100	1020	129	57	37	29
23	1250	627	210	82	314	1910	5840	2000	117	62	38	30
24	600	1900	180	110	289	1450	4210	1420	636	58	43	32
25	295	893	200	300	329	1560	2120	765	871	62	45	37
26	191	521	190	537	595	2810	1350	541	348	71	42	85
27	147	385	180	703	601	1650	977	399	231	77	35	92
28	120	2360	170	438	400	1400	746	355	182	71	32	69
29	102	1900	160	236	320	1630	590	491	147	51	28	57
30	90	839	150	171	---	1100	540	389	128	54	26	49
31	84	---	140	144	---	808	---	321	---	48	26	---
TOTAL	4765	15714	22602	4871	19599	45924	47061	14962	6047	4160	1556	1235
MEAN	154	524	729	157	676	1481	1569	483	202	134	50.2	41.2
MAX	1250	2360	3310	703	2350	6040	5840	2000	871	873	91	92
MIN	18	80	140	70	134	240	458	198	100	48	26	25
CFSM	.31	1.04	1.45	.31	1.34	2.94	3.12	.96	.40	.27	.10	.08
IN.	.35	1.16	1.67	.36	1.45	3.40	3.48	1.11	.45	.31	.12	.09

CAL YR 1983 TOTAL 126426 MEAN 346 MAX 4400 MIN 13 CFSM .69 IN 9.35
WTR YR 1984 TOTAL 188496 MEAN 515 MAX 6040 MIN 18 CFSM 1.02 IN 13.94

03266000 STILLWATER RIVER AT ENGLEWOOD, OH

LOCATION.--Lat 39°52'10", long 84°16'57", in NW 1/4 sec. 23, T.5 N., R.5 E., Montgomery County, Hydrologic Unit 05080001, on right bank 1,000 ft downstream from Englewood Dam, 1 mi southeast of Englewood, and at mile 8.9.

DRAINAGE AREA.--650 mi^2 .

PERIOD OF RECORD.--October 1925 to current year (monthly discharge only, October 1925, published in WSP 1305).

REVISED RECORDS.--WSP 1908: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 699.97 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for the winter period, which are fair. Flood flow regulated by Englewood retarding basin.

COOPERATION.--Gage-height tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--59 years, 580 ft^3/s, 12.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,980 ft^3/s June 15, 1958, gage height, 80.88 ft; minimum, 3.7 ft^3/s Sept. 30, Oct. 1, 1944, gage height, 71.36 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a discharge of 85,400 ft^3 /s at site 1 mi downstream, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,900 ft^3/s Mar. 17, gage height, 78.18 ft; minimum, 25 ft^3 /s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	98	764	170	157	380	994	629	394	162	70	44
2	26	95	545	160	172	360	803	524	344	132	65	44
3	29	110	462	160	891	330	712	531	308	152	68	52
4	30	113	795	150	2380	320	1040	588	275	197	73	51
5	54	129	2420	150	1170	380	2420	527	254	291	92	54
6	66	132	2430	140	563	698	4770	478	240	929	86	54
7	69	121	2600	140	240	891	5080	457	226	003	113	56
8	63	108	1450	130	200	779	3620	463	211	417	177	55
9	51	98	899	130	200	520	1570	480	195	254	128	54
10	43	98	691	130	220	420	1170	436	185	198	111	60
11	39	141	818	120	532	370	875	390	175	171	124	56
12	39	192	3150	120	1490	350	712	380	165	153	106	54
13	135	254	3210	120	1330	330	649	371	162	142	119	55
14	184	196	1720	120	2230	360	629	351	174	135	108	73
15	160	176	1370	110	1580	440	677	318	160	125	86	65
16	108	1130	1010	110	1150	3360	1340	288	154	120	74	56
17	80	1350	663	110	950	5650	2680	271	152	110	67	55
18	77	642	500	100	810	5620	2480	263	147	105	71	53
19	78	410	360	100	764	4480	1810	255	146	100	66	50
20	105	328	300	94	720	2500	1390	305	154	100	62	47
21	201	491	340	92	563	4420	1150	1810	198	98	63	46
22	310	551	360	96	468	5000	1650	2070	182	91	67	43
23	1450	602	290	100	395	4220	4380	2090	255	92	68	48
24	1000	2380	240	168	361	2480	5480	2640	880	86	59	55
25	462	1540	260	233	388	1830	5010	1350	1450	99	62	56
26	270	803	240	410	563	3080	3200	900	623	94	63	94
27	201	545	220	557	757	2840	1490	620	347	103	62	95
28	160	1710	210	582	677	1970	1130	530	256	99	58	96
29	138	3090	200	310	440	2360	842	604	210	91	55	79
30	115	1410	190	214	---	1760	745	587	182	90	52	70
31	105	---	180	172	---	1280	---	469	---	74	46	---
TOTAL	5876	19043	28887	5498	22361	59778	60698	21975	8805	5813	2521	1790
MEAN	190	635	932	177	771	1928	2023	709	294	188	81.3	59.7
MAX	1450	3090	3210	582	2380	5650	5480	2640	1450	929	177	96
MIN	26	95	180	92	157	320	629	255	146	74	46	43
CFSM	.29	.98	1.43	.27	1.19	2.97	3.11	1.09	.45	.29	.13	.09
IN.	.34	1.09	1.65	.31	1.28	3.42	3.47	1.26	.50	.33	.14	.10

CAL YR 1983 TOTAL 169771 MEAN 465 MAX 5200 MIN 21 CFSM .72 IN 9.72
WTR YR 1984 TOTAL 243045 MEAN 664 MAX 5650 MIN 26 CFSM 1.02 IN 13.91

03267000 MAD RIVER NEAR URBANA, OH

LOCATION.--Lat 40°06'27", long 83°47'57", on west line of sec. 35, T.5 E., R.11 N., Champaign County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on U.S. Highway 36, 1.8 mi upstream from Dugan Run, 1.8 mi downstream from Muddy Creek, 2.5 mi west of Urbana, and at mile 39.7.

DRAINAGE AREA.--162 mi²

PERIOD OF RECORD.--September 1925 to September 1931, August 1939 to current year.

REVISED RECORDS.--WSP 1305: 1930(M). WSP 1505: 1956. WSP 1625: 1929. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 985.22 ft National Geodetic Vertical Datum of 1929. Prior to May 18, 1930, nonrecording gage at same site and datum. May 18, 1930, to Sept. 30, 1931, nonrecording gage at site 600 ft downstream at datum 0.36 ft lower. Aug. 1 to Sept. 25, 1939, nonrecording gage at present site and datum.

REMARKS.--Records fair. Sediment data collected at this site 1970 to 1974.

COOPERATION.--Gage-height tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--51 years, 145 ft³/s, 12.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,000 ft³/s Jan. 22, 1959, gage height 12.05 ft, from rating curve extended above 4,000 ft³/s on basis of estimate of peak flow based on contracted-opening measurement at site 3 mi downstream with drainage area of 235 mi adjusted to gage site by 0.8 power of the drainage-area ratio; minimum, 2.1 ft³/s Jan. 21, 1963, gage height, 2.33 ft, result of freezeup; minimum daily, 24 ft³/s Feb. 2, 3, 1945, Jan. 13, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,400 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 14	0100	1,430	5.49	Mar. 16	0930	* 1,520	* 5.63

minimum discharge 53 ft³/s Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	78	150	110	93	130	284	248	171	115	89	75
2	59	80	135	120	95	130	265	226	165	115	89	77
3	59	112	132	110	744	120	256	230	158	125	93	74
4	59	102	198	110	276	120	509	235	153	123	100	73
5	69	89	265	100	172	140	857	214	147	140	115	72
6	71	87	399	100	127	200	654	217	147	153	94	71
7	63	82	307	100	112	170	473	209	144	148	89	67
8	63	80	222	100	106	160	368	215	140	127	88	65
9	59	78	194	98	104	140	346	219	136	122	89	55
10	59	82	179	96	186	140	312	209	136	120	83	69
11	59	226	194	94	432	130	288	204	132	115	157	69
12	55	147	570	92	243	130	270	206	129	110	96	69
13	73	112	317	92	372	120	274	198	129	110	90	67
14	78	102	261	90	730	120	274	190	132	110	99	67
15	65	97	247	90	341	150	326	179	127	107	97	57
16	59	126	222	88	270	916	326	172	125	104	94	63
17	57	144	197	84	243	461	550	171	125	99	95	53
18	59	123	170	80	226	317	377	168	122	99	101	53
19	69	115	160	76	222	270	336	167	123	99	95	56
20	71	110	150	72	202	336	298	173	123	97	90	71
21	82	118	140	70	186	764	274	324	122	97	87	58
22	92	107	150	70	175	509	351	278	115	94	84	67
23	147	179	140	90	168	383	550	276	115	92	87	68
24	120	270	130	120	160	383	479	245	212	92	86	69
25	104	168	120	170	157	467	383	220	159	94	82	69
26	97	141	120	224	157	730	321	205	138	94	82	72
27	89	126	120	197	150	485	288	185	131	97	82	53
28	87	461	130	122	150	410	270	187	127	92	82	63
29	84	252	120	111	130	404	252	199	121	89	82	63
30	84	179	110	103	---	341	252	183	120	87	82	51
31	82	---	110	96	---	307	---	176	---	88	78	---
TOTAL	2333	4173	6059	3275	6729	9583	11083	6528	4124	3354	2857	2036
MEAN	75.3	139	195	106	232	309	369	211	137	108	92.2	67.9
MAX	147	461	570	224	744	916	857	324	212	153	157	77
MIN	55	78	110	70	93	120	252	167	115	87	78	51
CFSM	.47	.86	1.20	.65	1.43	1.91	2.28	1.30	.85	.67	.57	.42
IN.	.54	.96	1.39	.75	1.55	2.20	2.54	1.50	.95	.77	.66	.47

CAL YR 1983 TOTAL 49195 MEAN 135 MAX 1070 MIN 55 CFSM .83 IN 11.30
WTR YR 1984 TOTAL 62134 MEAN 170 MAX 916 MIN 55 CFSM 1.05 IN 14.27

BEST COPY AVAILABLE

03267900 MAD RIVER AT ST. PARIS PIKE AT EAGLE CITY, OH

LOCATION.--Lat 39°57'51", long 83°49'54", in W 1/2 sec. 1, R. 10, T.4, Clark County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on St. Paris Pike, 0.8 mi southeast of Eagle City, 1.1 mi downstream from Moore Run, 3.1 mi upstream from Buck Creek, 3.3 mi south of Tremont City, and at mile 29.5.

DRAINAGE AREA.--310 mi².

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 904.66 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for the winter period, which are fair. Water supply for city of Springfield is pumped from wells, adjacent to Mad River, just upstream from station. Recharge to the well field is largely by induced infiltration from Mad River and Moore Run. Pumpage, averaging 25.3 ft³/s in 1984, is returned as sewage 1.4 mi upstream from gaging station near Springfield (station 03269500). Water-quality data collected at this site 1966 to 1977.

AVERAGE DISCHARGE.--19 years, 310 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,700 ft³/s June 26, 1971, gage height, 16.00 ft, from rating curve extended above 3,060 ft³/s; minimum daily, 60 ft³/s Jan. 27, 28, 1977 (result of freezeup).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 19.8 ft, from data furnished by Miami Conservancy District. Flood of Jan. 21, 1959 reached a stage of 15.7 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2500 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	0900	* 3,070	* 10.11	No other peak above base.			

Minimum daily discharge, 93 ft³/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	134	290	200	160	220	474	396	308	216	147	125
2	93	146	270	200	205	220	444	381	295	216	149	125
3	93	175	254	190	1400	210	448	400	284	213	149	128
4	98	176	410	180	537	210	925	410	275	227	169	129
5	117	159	546	170	346	230	1780	377	268	319	172	125
6	114	149	699	170	246	408	1230	365	262	348	153	123
7	103	144	553	170	209	340	811	359	255	298	149	123
8	100	139	403	170	192	280	648	364	249	240	149	121
9	98	136	349	170	189	250	575	357	244	224	149	118
10	99	160	325	160	307	230	524	340	239	216	145	129
11	100	311	414	160	747	230	484	331	235	208	413	123
12	101	275	1020	150	429	230	460	336	231	201	198	119
13	167	213	575	150	725	210	459	319	232	198	175	119
14	145	192	458	150	1300	210	455	312	271	191	163	150
15	121	191	426	140	614	210	503	299	235	191	156	131
16	115	219	361	140	482	2070	601	291	229	198	151	123
17	113	249	317	130	427	911	942	285	229	193	148	122
18	132	223	293	120	390	626	679	281	232	181	171	121
19	130	202	272	120	376	512	598	274	235	174	149	119
20	148	198	259	120	347	700	523	302	248	172	144	118
21	159	204	254	110	321	1530	475	658	232	172	140	116
22	185	195	291	110	299	979	510	512	221	165	149	114
23	245	338	238	150	286	737	933	554	221	162	144	122
24	204	533	220	350	276	701	847	451	504	162	138	126
25	176	333	200	424	286	864	634	390	319	169	135	125
26	162	270	200	447	283	1270	540	359	265	169	131	162
27	154	247	210	367	275	813	489	329	251	179	131	133
28	147	736	210	214	250	716	453	364	237	150	130	129
29	140	476	210	191	230	734	425	382	235	153	129	126
30	136	341	200	179	---	581	425	343	224	151	128	125
31	136	---	200	165	---	514	---	323	---	149	125	---
TOTAL	4124	7464	10927	5867	12134	17946	19294	11444	7765	6195	4879	3759
MEAN	133	249	352	189	418	579	643	369	259	200	157	126
MAX	245	736	1020	447	1400	2070	1780	658	504	348	413	162
MIN	93	134	200	110	160	210	425	274	221	149	125	114

CAL YR 1983 TOTAL 89437 MEAN 245 MAX 2570 MIN 88
WTR YR 1984 TOTAL 111808 MEAN 305 MAX 2070 MIN 93

03269500 MAD RIVER NEAR SPRINGFIELD, OH

LOCATION.--Lat 39°55'23", long 83°52'13", in NW 1/4 sec. 16, R.9, T.4, Clark County, Hydrologic Unit 05080001, on right bank 150 ft downstream from Rock Run, 300 ft downstream from bridge on Lower Valley Pike, 2 mi downstream from Buck Creek, 3 mi west of Springfield, and at mile 24.1.

DRAINAGE AREA.--490 mi² .

PERIOD OF RECORD.--January 1904 to March 1906 (fragmentary), February 1914 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 603: 1924. WSP 823: 1929(M). WSP 1305: 1914(M), 1916-17(M), 1922-23(M), 1925(M). WSP 1625: 1924(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 881.42 ft National Geodetic Vertical Datum of 1929. Jan. 1, 1904 to Mar. 31, 1906, nonrecording gage at site 0.3 mi downstream at different datum. Feb. 1, 1914, to Feb. 29, 1924, nonrecording gage at site 1.8 mi upstream at datum 6.39 ft higher. Mar.1, 1924, to July 31, 1925, nonrecording gage at site 300 ft upstream at same datum.

REMARKS.--Records good. Some regulation by C.J. Brown Reservoir, 8.3 mi upstream on Buck Creek, since 1972. Occasional low-flow regulation by powerplant 2.3 mi upstream; daily flows are not affected appreciably. Water-quality data collected at this site 1965 to 1973.

COOPERATION.--Gage height charts, tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--71 years, (1904-05, 1914-84), 491 ft³ /s, 13.61 in/yr unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,500 ft³/s Jan. 21, 1959, gage height, 15.76 ft, from rating curve extended above 14,000³ft /s on basis of slope-area and contracted opening measurements of peak flow; minimum daily discharge, 30 ft³/s Sept. 15, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913 reached a stage of 16.9 ft, present datum, discharge, 55,400 ft³/s computed by Miami Conservacy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,950 ft³/s Mar. 16, gage height, 6.51 ft; minimum daily, 180 ft³/s Jan. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	207	550	346	280	373	701	637	537	334	226	189
2	193	319	527	349	330	373	654	592	502	335	231	186
3	193	333	504	336	2010	360	590	659	416	327	229	210
4	220	312	759	312	944	345	1130	697	400	380	330	193
5	301	291	868	308	647	476	2600	617	388	464	272	186
6	210	277	1020	313	494	615	1840	592	386	508	250	193
7	199	274	925	308	438	529	1330	580	389	445	296	186
8	201	269	705	299	414	488	1070	630	373	370	252	183
9	198	274	617	300	405	428	946	609	359	348	237	143
10	200	378	575	310	531	411	850	582	348	315	227	196
11	198	565	642	290	1290	400	782	563	344	305	606	189
12	201	486	1450	286	759	375	739	556	337	294	318	183
13	411	407	960	287	1270	418	746	523	346	288	282	181
14	256	377	801	281	2180	427	734	517	398	275	267	325
15	222	396	749	276	1290	622	775	503	333	265	257	223
16	212	412	591	250	987	2850	839	490	325	270	251	225
17	210	460	531	240	736	1430	1330	478	322	260	247	245
18	255	437	500	230	667	1000	1050	471	330	253	280	227
19	232	416	474	210	634	793	933	429	352	246	247	202
20	321	423	442	200	593	1050	820	517	374	244	236	197
21	303	419	410	190	558	2250	749	1040	400	245	230	195
22	350	407	460	180	528	1530	932	788	350	240	251	192
23	412	711	380	210	491	1150	1400	1050	366	239	240	208
24	343	958	320	700	422	1060	1330	778	650	235	230	247
25	322	625	280	750	436	1200	1040	631	465	240	219	316
26	312	527	300	620	418	1420	882	603	401	254	206	406
27	287	528	350	660	413	1180	794	554	386	260	203	300
28	219	1350	387	430	409	1070	732	683	368	239	203	293
29	206	899	360	380	374	1180	686	743	354	231	200	286
30	208	636	324	340	---	924	692	613	343	229	197	269
31	201	---	333	310	---	774	---	569	---	227	192	---
TOTAL	7792	14373	18094	10509	20948	27501	29696	19294	11640	9165	7910	6804
MEAN	251	479	584	339	722	887	990	622	388	296	255	227
MAX	412	1350	1450	750	2180	2850	2600	1050	650	508	606	406
MIN	193	207	280	180	280	345	590	429	322	227	192	181
CFSM	.51	.98	1.19	.69	1.47	1.81	2.02	1.27	.79	.60	.52	.46
IN.	.59	1.09	1.37	.80	1.59	2.09	2.25	1.46	.88	.70	.60	.52

CAL YR 1983 TOTAL 150697 MEAN 413 MAX 3440 MIN 181 CFSM .84 IN 11.44
WTR YR 1984 TOTAL 183726 MEAN 502 MAX 2850 MIN 180 CFSM 1.02 IN 13.95

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03270000 MAD RIVER NEAR DAYTON, OH

LOCATION.--Lat 39°47'50", long 84°05'19", in SW 1/4 sec. 7, R. 8, T.2, Green County, Hydrologic Unit 05080001, on left bank in retarding basin 300 ft upstream from Huffman Dam, 2.3 mi downstream from Mud Run, 6.2 mi northeast of Dayton and at mile 6.1. Water-quality sampling site was on left bank 900 ft downstream.

DRAINAGE AREA.--635 mi^2 .

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 453: 1915. WSP 743: 1929-32. WSP 1305: 1916(M), 1925(M) 1930-32(M). drainage area. WRD-OH-82-1: 1980.

GAGE.--Water-stage recorder. Datum of gage is 777.06 ft National Geodetic Vertical Datum of 1929. Jan. 21, 1959 to Dec. 14, 1967, at site 900 ft downstream, at datum 77.01 ft lower. See WSP 1725 for history of changes prior to Jan. 21, 1959. Water-quality data collected at this site 1947-1948, 1962-1963, 1966-1980.

REMARKS.--Records good. Flood flows affected by backwater from Huffman retarding dam beginning in 1921, some regulation by C.J. Brown Reservoir 26 mi upstream on Buck Creek since 1972. Also see REMARKS for station 03269500.

COOPERATION.--Gage-height tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--70 years, 630 ft^3/s, 13.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,200 ft^3/s Jan. 22, 1959 (based on Huffman retarding basin outflow records); maximum gage height, 87.9 ft Feb. 26, 1929 at site and datum then in use; minimum daily discharge, 94 ft^3/s Aug. 6, 1934, but may have been less during period 1921-24.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 25, 1913 reached a stage of 14.0 ft, original site and datum, discharge 75,700 ft^3/s, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,300 ft^3/s Mar. 16, Apr. 5, gage height, 9.92 ft; minimum daily, 212 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	220	247	713	430	417	498	979	834	709	438	275	231
2	220	298	660	420	446	499	903	780	670	437	272	227
3	212	412	655	420	2030	484	912	854	585	431	272	266
4	220	370	995	412	1570	472	1190	977	542	530	302	257
5	365	342	1150	403	902	601	3580	841	526	553	385	232
6	272	329	1170	403	640	872	2970	826	514	705	316	224
7	239	320	1200	407	551	752	1900	781	510	601	329	223
8	231	316	917	393	507	682	1480	808	500	583	422	222
9	220	311	791	388	504	589	1290	822	483	451	287	220
10	223	333	742	403	529	567	1170	772	474	428	272	236
11	235	593	791	379	1420	553	1070	729	463	404	616	233
12	223	570	1680	384	979	519	1000	716	453	390	440	224
13	533	480	1270	374	1160	559	998	682	461	381	344	219
14	361	431	1030	365	3000	601	963	666	532	370	319	377
15	285	431	933	361	1690	853	1010	647	458	355	302	303
16	264	465	781	361	1310	3340	1130	631	443	352	289	263
17	251	485	679	361	983	2280	1590	620	437	352	285	286
18	281	490	626	350	870	1450	1370	615	456	338	308	297
19	302	470	593	320	812	1160	1220	600	463	330	302	257
20	361	460	570	300	754	1270	1080	580	459	323	284	246
21	455	475	528	280	700	3150	993	1170	522	327	277	238
22	388	455	603	310	655	2386	1140	1060	473	320	277	234
23	505	752	500	380	626	1660	1710	1200	554	314	303	254
24	441	1180	430	700	556	1470	1700	1100	888	309	278	290
25	398	806	400	1200	577	1430	1390	876	724	312	268	361
26	370	664	400	820	555	2280	1180	823	549	323	254	524
27	365	621	440	912	542	1620	1060	738	513	348	247	384
28	289	1530	480	579	543	1400	974	883	490	313	247	356
29	268	1250	440	519	502	1610	907	1060	466	299	244	358
30	256	856	420	495	---	1260	904	851	452	295	240	354
31	251	---	440	465	---	1080	---	763	---	279	233	---
TOTAL	9504	16742	23027	14294	26330	37961	39843	25305	15769	12111	9489	8398
MEAN	307	558	743	461	908	1225	1328	816	526	391	306	280
MAX	533	1530	1680	1200	3000	3340	3580	1200	888	705	616	524
MIN	212	247	400	280	417	472	903	580	437	279	233	219
CFSM	.48	.88	1.17	.73	1.43	1.93	2.09	1.29	.83	.62	.48	.44
IN.	.56	.98	1.35	.84	1.54	2.22	2.33	1.48	.92	.71	.56	.49

CAL YR 1983 TOTAL 192411 MEAN 527 MAX 4480 MIN 200 CFSM .83 IN 11.27
WTR YR 1984 TOTAL 238773 MEAN 652 MAX 3580 MIN 212 CFSM 1.03 IN 13.99

03270500 GREAT MIAMI RIVER AT DAYTON, OH

LOCATION.--Lat 39°45'55", long 84°11'51", in sec. 10, R.7, T.1, Montgomery County, Hydrologic Unit 05080002, on left bank 1,000 ft downstream from Main Street Bridge in Dayton, 0.7 mi upstream from Wolf Creek, 0.8 mi downstream from Mad River, and at mile 80.0.

DRAINAGE AREA.--2,511 mi² .

PERIOD OF RECORD.--April to September 1905, January to September 1906, January 1907 to December 1909 (gage heights only), April 1913 to current year. Monthly discharge only for October 1919 to September 1921, published in WSP 1305. Gage-height records collected at Main Street Bridge since January 1892 are contained in reports of National Weather Service. Prior to October 1962, published as Miami River at Dayton.

REVISED RECORDS.--WSP 1385: 1917. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft National Geodetic Vertical Datum adjustment of 1912 as requested by cooperator (699.71 ft adjustment of 1929). Prior to Oct. 1, 1921, nonrecording gage at Main Street Bridge at datum 23.73 ft higher. Oct. 1, 1921, to July 24, 1931, nonrecording gage at Main Street Bridge at datum 21.00 ft higher.

REMARKS.--Records good except those for the winter period and those below 550 ft³/s, which are fair. Flood flow regulated by four retarding basins upstream from station beginning in 1920 on Mad River 6.5 mi upstream, on Stillwater River 10.5 mi upstream, on Great Miami River 11.5 mi upstream, and on Loramie Creek 40 mi upstream. Also see REMARKS for stations 03261500, 03261950 and 03269500. Water is diverted 6 mi upstream from station for use in Dayton; most of return flow from diversions bypasses station in Dayton sewer systems. Sediment data collected at this site 1951 to 1953.

COOPERATION.--Gage-height charts, tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--55 years (1929-84). 2,160 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,900 ft³/s Jan. 22, 1959, gage height, 35.45 ft in gage well, from graph based on gage readings; 36.0 ft, from outside floodmarks; minimum daily, 109 ft³/s Aug. 8, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913 reached a stage of 29.0 ft, site and datum then in use, discharge, 250,000 ft³/s, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,000 ft³/s Mar. 21, gage height 29.72 ft; minimum daily, 225 ft³/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	651	4130	1300	1090	1910	3860	2920	1880	841	469	334
2	225	715	3160	1300	1110	1790	3340	2640	1730	859	485	329
3	229	904	2610	1300	4130	1690	3210	2730	1530	875	467	528
4	292	972	3460	1200	8580	1580	3880	2950	1410	1200	499	486
5	577	1330	7640	1200	5080	1930	10000	2700	1360	1420	791	406
6	530	1130	8210	1100	2980	2930	14800	2560	1260	2120	590	443
7	448	954	9150	1100	1900	3340	13200	2360	1210	2310	664	416
8	456	854	6560	1000	1620	3060	9490	2360	1150	1720	1600	380
9	387	775	4680	1000	1520	2410	5960	2390	1110	1310	919	358
10	361	797	3780	920	1510	2130	4560	2300	1040	1050	839	393
11	358	1240	3670	860	3240	2130	3750	2120	1010	913	1250	401
12	390	2520	9340	820	5120	1800	3280	2050	935	805	1200	365
13	1440	2750	9700	780	5200	1820	3100	2070	913	746	916	347
14	1060	2020	6670	760	9840	1920	2950	2060	1180	712	810	708
15	1060	1670	5310	740	7780	2600	3070	1960	1030	658	673	558
16	824	3190	4200	720	5790	10700	4130	1870	887	647	596	416
17	652	5020	3210	700	4650	16600	7920	1720	818	623	553	422
18	657	3980	2600	680	3940	15000	8580	1680	955	573	553	414
19	671	3060	2100	640	3530	11200	7130	1560	929	567	535	389
20	944	2520	1880	620	3310	8090	5790	1490	1010	558	499	360
21	1230	2600	1960	600	2850	15000	4750	4210	1040	534	468	323
22	1260	2840	2140	600	2500	15900	5110	5410	918	496	457	313
23	3740	3380	1880	780	2200	13200	13900	5020	1140	484	504	353
24	4030	7940	1130	1300	1980	9490	15900	6400	2450	489	459	488
25	2630	6600	1030	2200	2050	7590	14400	4050	2650	521	447	516
26	1760	4510	1300	2520	2240	11400	10200	3080	1950	589	428	875
27	1350	3380	1500	3190	2570	10400	6440	2450	1450	590	413	594
28	1020	6150	1600	2770	2570	8090	4980	2450	1180	525	409	544
29	851	9450	1500	1990	2150	8340	3970	2640	983	493	398	538
30	719	6360	1400	1580	---	6650	3430	2490	902	484	380	505
31	680	---	1300	1260	---	4900	---	2140	---	491	359	---
TOTAL	31068	90266	118800	37530	103030	205590	205180	84830	38010	26223	19630	13502
MEAN	1002	3009	3832	1211	3553	6632	6839	2736	1267	846	633	450
MAX	4030	9450	9700	3190	9840	16600	15900	6400	2650	2310	1600	875
MIN	225	651	1030	600	1090	1580	2950	1490	818	484	359	313

CAL YR 1983 TOTAL 730953 MEAN 2003 MAX 20000 MIN 213
WTR YR 1984 TOTAL 973659 MEAN 2660 MAX 16600 MIN 225

03270800 WOLF CREEK AT TROTWOOD, OH

LOCATION.--Lat 39°47'39", long 84°18'36", Montgomery County, Hydrologic Unit 05080002, on right bank 350 ft downstream from Union Road Bridge, 700 ft downstream from unnamed right bank tributary, 0.2 mi south of Trotwood, and 0.3 mi upstream from North Branch.

DRAINAGE AREA.--22.7 mi² .

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 826.28 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for winter periods and those for periods of no gage-height record; Oct. 1-6, Mar. 16 to Apr. 6, and June 20 to July 25, which are poor.

COOPERATION.--Gage-height tapes and 8 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--22 years, 22.6 ft³/s, 13.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,970 ft³/s May 24, 1968, gage height, 6.47 ft, from rating curve extended above 1,000 ft³/s; no flow all or part of each day Sept. 8-17, Oct. 3, 1964, Sept. 16-19, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge during flood in January 1959, about 3,900 ft³/s gage height, 8.0 ft, computed by Miami Conservancy District on basis of estimate of peak flow based on contracted-opening measurement at site 1.1 mi downstream with drainage area of 48.2 mi, adjusted to gage site by 0.8 power of the drainage-area ratio. Flood in March 1913 reached a stage of 9.4 ft, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft³ /s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	----	* 690	----	No peak above base.			

minimum recorded discharge 0.23 ft³/s Sept. 18, 20, 21 but may have been less during period of no gage-height record Oct. 1-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JJL	AUG	SEP
1	.36	2.4	16	6.6	5.8	15	18	14	8.7	2.3	1.1	.32
2	.36	3.4	14	6.4	5.6	13	14	13	8.1	2.1	1.3	.43
3	.36	8.3	13	6.2	121	12	17	31	7.1	3.0	1.8	4.8
4	.45	8.4	125	6.0	31	11	60	35	6.1	5.0	2.0	2.3
5	.60	7.1	75	5.8	15	62	220	26	5.5	21	2.4	1.1
6	2.2	5.6	64	5.6	11	74	180	41	5.1	24	3.4	.72
7	1.5	4.6	37	5.4	10	47	74	34	4.5	14	2.0	.43
8	1.1	4.1	26	5.2	6.4	35	44	41	4.1	10	2.0	.43
9	1.2	3.6	20	5.0	7.4	23	32	34	3.6	7.8	1.4	.56
10	1.5	4.9	19	4.8	9.0	20	24	25	3.2	6.2	1.4	1.1
11	2.2	24	108	4.7	20	16	19	21	3.0	5.4	1.6	.72
12	4.5	15	138	4.6	27	14	16	19	2.8	4.6	1.1	.43
13	29	9.6	57	4.5	100	23	16	14	4.7	4.0	.90	.43
14	5.2	8.0	42	4.3	92	68	21	13	9.1	3.5	.90	2.0
15	2.1	11	36	4.1	46	210	32	11	4.2	3.1	.72	1.6
16	1.3	24	23	3.9	35	330	131	10	3.3	2.8	.72	.56
17	1.1	14	15	3.7	29	290	179	9.6	3.0	2.6	.72	.43
18	2.6	11	13	3.5	24	110	72	9.2	2.9	2.4	1.1	.32
19	3.4	10	12	3.3	26	85	46	8.7	6.0	2.5	1.1	.32
20	10	17	11	3.1	19	270	34	13	7.8	2.3	.56	.32
21	19	23	10	2.9	15	150	27	42	7.2	2.1	.56	.32
22	13	14	11	2.7	13	90	134	21	5.4	2.1	.90	.43
23	28	138	9.8	5.0	12	68	183	38	7.4	2.1	2.3	1.4
24	14	80	8.8	60	12	54	119	20	8.0	2.2	.90	3.1
25	9.5	32	8.2	50	48	130	57	14	6.0	2.5	.72	3.1
26	6.8	19	9.4	58	40	90	39	12	4.8	2.9	.56	8.7
27	5.2	17	8.6	36	29	60	28	9.5	4.0	3.7	.43	1.4
28	3.6	159	8.2	13	22	56	22	16	3.4	1.7	.72	.56
29	3.2	47	7.6	9.5	17	110	18	14	2.9	1.2	1.1	.43
30	2.8	24	7.2	7.4	---	50	21	11	2.5	.94	.72	.32
31	2.6	---	6.8	6.4	---	20	---	9.6	---	1.0	.43	---
TOTAL	178.73	749.0	959.6	347.6	850.2	2606	1897	629.6	154.4	151.04	37.56	39.08
MEAN	5.77	25.0	31.0	11.2	29.3	84.1	63.2	20.3	5.15	4.87	1.21	1.30
MAX	29	159	138	60	121	330	220	42	9.1	24	3.4	8.7
MIN	.36	2.4	6.8	2.7	5.6	11	14	8.7	2.5	.94	.43	.32
CFSM	.25	1.10	1.37	.49	1.29	3.71	2.78	.89	.23	.22	.05	.06
IN.	.29	1.23	1.57	.57	1.39	4.27	3.11	1.03	.25	.25	.06	.06

CAL YR 1983 TOTAL 7640.39 MEAN 20.9 MAX 482 MIN .20 CFSM .92 IN 12.52
WTR YR 1984 TOTAL 8599.81 MEAN 23.5 MAX 330 MIN .32 CFSM 1.04 IN 14.09

03271500 GREAT MIAMI RIVER AT MIAMISBURG, OH

LOCATION.--Lat 39°38'40", long 84°17'23", in sec. 31, R.6, T.1, Montgomery County, Hydrologic Unit 05080002, on left bank 600 ft downstream from bridge on State Highway 725 at Miamisburg, 0.3 mi downstream from Bear Creek, 3.2 mi upstream from Crains Run, and at mile 66.4.

DRAINAGE AREA.--2,711 mi^2 .

PERIOD OF RECORD.--March 1916 to September 1920 (published as Miami River at Franklin 1916-17), August 1924 to September 1935 (published as Miami River near Miamisburg), October 1952 to current year (published as Miami River at Miamisburg 1952-62). Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 743: 1929(M). WSP 1385: 1926. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 678.60 ft National Geodetic Vertical Datum of 1929. Mar. 16, 1916 to Sept. 30, 1920, nonrecording gage at site 6.7 mi downstream at different datum. Aug. 29 to Sept. 16, 1924, nonrecording gage, and Sept. 17, 1924 to Sept. 30, 1935, water-stage recorder, at site 2.2 mi downstream at datum 677.06 ft National Geodetic Vertical Datum.

REMARKS.--Records fair. Diurnal fluctuation caused by powerplant 0.4 mi upstream from station. Flood flow regulated by retarding dams beginning in 1920 on Mad River 19 mi upstream, on Stillwater River 23 mi upstream, on Great Miami River 23 mi upstream and on Loramie Creek 52 mi upstream. Also see REMARKS for stations 03261500 and 03269500.

COOPERATION.--Gage-height charts, tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--47 years, 2,433 ft^3/s, 12.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,800 ft^3/s Jan. 21, 22, 1959, gage height, 20.65 ft in gage well, from graph based on gage readings; 21.3 ft, from outside floodmarks; minimum daily, 148 ft^3/s Sept. 7, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 26, 1913 reached a discharge of 257,000 ft^3/s, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,400 ft^3/s Mar. 22, gage height, 10.70 ft; minimum daily, 404 ft^3/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	419	752	4570	1400	1210	2220	4150	3260	2120	925	532	423
2	404	829	3540	1400	1270	2080	3630	2910	1930	937	558	413
3	430	1140	2990	1400	3930	1990	3600	3160	1750	1010	550	668
4	486	969	4020	1300	8460	1860	4270	3510	1600	1500	694	700
5	749	1390	7560	1300	5320	2500	11800	3020	1560	1980	830	522
6	704	1260	8380	1300	3240	3450	16100	3050	1460	2140	647	546
7	569	1070	9260	1300	2080	3740	14400	2750	1350	2490	715	515
8	568	963	6930	1200	1740	3480	10300	2760	1300	1870	1730	492
9	500	892	4980	1100	1650	2890	6630	2740	1250	1490	1080	462
10	478	846	4030	1000	1620	2500	5010	2590	1180	1130	899	494
11	493	1500	3990	900	2960	2450	4120	2340	1080	960	1310	490
12	494	2180	9110	850	4990	2170	3600	2250	1070	902	1370	471
13	1950	2780	10200	800	5520	2330	3400	2160	1050	845	1010	413
14	1240	2170	7150	780	9610	2590	3270	2160	1440	797	858	878
15	1050	1840	5680	760	8050	3450	3370	2000	1230	739	733	795
16	875	2590	4530	740	5940	10700	4520	1940	1040	723	629	524
17	709	4720	3470	740	4880	16900	8310	1760	962	701	597	508
18	806	3910	2850	720	4150	15700	9130	1690	916	665	680	523
19	781	3130	2380	720	3710	11800	7570	1630	1170	649	616	501
20	1190	2650	2030	700	3500	9040	6180	1520	1170	650	566	471
21	1740	2610	2130	700	3090	15900	5120	3670	1600	656	509	454
22	1350	2870	2410	680	2710	17600	5240	5510	1120	608	532	438
23	3190	4050	2150	800	2410	14300	13600	5010	1120	542	600	492
24	3820	7200	1800	1600	2180	10000	16900	6400	2430	554	541	685
25	2670	6640	1400	2740	2390	8030	15500	4350	2840	625	516	770
26	1890	4570	1400	2600	2420	11200	11200	3350	2180	769	498	1100
27	1440	3460	1600	3270	2760	10800	7070	2660	1650	856	539	735
28	1180	6320	1900	2900	2810	8440	5400	2790	1350	641	495	599
29	960	9940	2100	2180	2460	8580	4370	2930	1100	589	443	622
30	819	6800	1700	1710	---	7100	3860	2740	996	582	444	593
31	738	---	1500	1400	---	5310	---	2370	---	578	445	---
TOTAL	34692	92041	127740	40990	107060	221100	221620	90980	43014	30083	22166	17297
MEAN	1119	3068	4121	1322	3692	7132	7387	2935	1434	970	715	577
MAX	3820	9940	10200	3270	9610	17600	16900	6400	2840	2490	1730	1100
MIN	404	752	1400	680	1210	1860	3270	1520	916	542	443	413
CFSM	.41	1.13	1.52	.49	1.36	2.63	2.73	1.08	.53	.36	.26	.21
IN.	.48	1.26	1.75	.56	1.47	3.03	3.04	1.25	.59	.41	.30	.24

CAL YR 1983 TOTAL 809369 MEAN 2217 MAX 22800 MIN 346 CFSM .82 IN 11.11
WTR YR 1984 TOTAL 1048783 MEAN 2866 MAX 17600 MIN 404 CFSM 1.06 IN 14.39

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH

LOCATION.--Lat 39°38'14", long 84°17'33", Montgomery County, Hydrologic Unit 05080002, on left bank at Miamisburg, 1.0 mi downstream from Bear Creek, 0.6 mi downstream from discharge station at Miamisburg, 0.65 mi downstream from discharge station at Miamisburg, and at mile 65.75.

DRAINAGE AREA.--2,713 mi² .

PERIOD OF RECORD.--June 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1978 to current year.
pH: June 1978 to current year.
WATER TEMPERATURES: June 1978 to current year.
DISSOLVED OXYGEN: June 1978 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument. Prior to June 1978, records published as 03271600, Great Miami River near Miamisburg, Ohio. See records of discharge for gaging station at Miamisburg (station 03271500).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,340 micromhos Jan. 23, 1984; minimum 206 micromhos Feb. 18, 1982.
pH: Maximum, 9.1 units July 7, 1979, July 13-15, 23, 1983; minimum, 7.0 units July 30, Aug. 30, 1979.
WATER TEMPERATURES: Maximum, 33.0°C July 20, 22, 1978; minimum, 0.0°C on several days during winter periods 1979, 1980, 1982, 1984.
DISSOLVED OXYGEN: Maximum, >20.0 mg/L July 12, 1978, Aug. 15, 16, 1982; minimum, 0.4 mg/L Aug. 27, 1981, Aug. 2, 1982.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum 1,340 micromhos Jan. 23; minimum, 362 micromhos Apr. 24.
pH: Maximum, 8.9 units June 17, July 1, 2, 3; minimum, 7.2 units Oct. 28.
WATER TEMPERATURES: Maximum, 28.0°C July 14; minimum, 0.0°C on several days during winter period.
DISSOLVED OXYGEN: Maximum 16.4 mg/L June 15; minimum, 0.7 mg/L Sept. 9.

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03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	930	896	915	844	816	836	584	534	558	1020	808	859
2	926	882	902	854	796	831	710	588	619	1070	844	772
3	918	874	892	796	684	734	752	656	696	934	870	905
4	908	848	886	760	738	750	658	636	649	868	844	854
5	880	726	810	794	764	774	632	538	592	856	816	834
6	726	674	698	804	778	791	536	518	525	816	790	804
7	806	700	761	822	802	810	528	494	506	816	786	797
8	820	780	797	830	790	811	546	494	521	810	780	792
9	840	784	813	828	798	816	598	544	570	814	782	793
10	858	812	828	836	694	803	630	600	613	856	794	817
11	886	838	862	784	674	713	642	620	633	904	844	874
12	884	762	861	722	654	694	618	494	570	858	824	840
13	736	420	540	720	648	679	494	474	482	856	822	839
14	620	456	552	570	638	650	558	496	524	848	830	838
15	642	598	611	690	674	680	598	556	575	860	814	832
16	706	652	687	686	668	678	626	596	610	848	822	834
17	754	708	742	674	580	611	656	626	637	892	848	872
18	770	732	750	594	568	577	674	654	660	898	836	861
19	730	704	716	620	592	601	710	672	685	954	862	917
20	754	544	660	644	616	625	730	708	719	918	888	906
21	634	392	538	672	634	651	792	722	742	934	898	913
22	662	670	677	684	670	677	822	752	783	960	892	923
23	648	592	622	688	490	596	760	744	754	1340	892	926
24	636	558	588	568	508	541	810	762	782	1320	986	1160
25	622	604	610	540	514	524	824	808	816	1190	760	929
26	664	624	641	584	542	559	820	806	814	750	670	706
27	702	662	676	612	554	589	810	802	806	752	620	682
28	742	704	719	580	530	551	1270	804	960	616	582	602
29	758	740	747	578	480	503	1280	872	1060	614	564	581
30	780	762	772	534	488	507	900	848	877	746	614	646
31	816	768	798	---	---	---	874	826	841	782	692	733
MONTH	930	420	731	854	480	672	1280	474	683	1340	564	827

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	768	702	721	838	768	798	---	---	---	674	644	657
2	794	758	772	852	794	818	684	656	671	694	668	679
3	812	554	734	850	792	819	684	650	673	696	616	658
4	524	388	427	792	778	784	678	656	665	668	616	649
5	454	388	414	820	762	795	634	464	507	700	668	684
6	516	448	473	796	726	764	470	410	437	696	664	676
7	598	518	552	720	708	706	446	408	420	714	684	700
8	652	594	618	724	680	703	532	448	490	712	690	700
9	678	650	657	752	700	722	596	536	565	708	696	702
10	682	670	674	804	728	755	636	596	611	722	698	708
11	---	---	---	738	724	732	660	636	643	732	702	714
12	---	---	---	750	714	726	680	658	668	722	698	710
13	---	---	---	944	802	865	690	674	682	712	700	705
14	480	472	477	884	818	835	688	674	680	720	696	708
15	512	476	494	814	716	764	684	664	670	740	710	721
16	562	512	538	688	444	570	674	632	648	738	718	725
17	594	564	577	---	---	---	626	532	572	740	704	720
18	628	594	606	---	---	---	530	504	511	742	698	722
19	646	622	632	---	---	---	550	516	529	740	686	711
20	666	636	647	---	---	---	580	552	564	732	702	718
21	676	654	663	---	---	---	614	582	594	726	556	650
22	694	666	678	---	---	---	610	494	578	614	554	591
23	712	686	696	---	---	---	552	370	428	614	524	598
24	718	698	709	---	---	---	390	362	370	604	546	568
25	718	684	705	---	---	---	430	382	405	620	566	594
26	716	702	711	---	---	---	504	432	468	644	616	626
27	710	692	703	---	---	---	552	506	528	672	646	655
28	786	708	751	---	---	---	588	554	568	674	576	637
29	794	736	758	---	---	---	618	584	600	662	596	635
30	---	---	---	---	---	---	650	612	629	698	662	678
31	---	---	---	---	---	---	---	---	---	704	694	700
MONTH	812	388	630	944	444	760	690	362	565	742	524	674

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03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	766	716	740	842	778	815	934	876	908
2	---	---	---	750	696	726	854	784	822	936	900	916
3	---	---	---	766	684	725	836	780	811	934	606	828
4	---	---	---	692	486	579	854	690	809	744	654	608
5	---	---	---	592	542	566	786	666	727	886	754	835
6	---	---	---	640	570	606	780	728	767	902	806	851
7	---	---	---	640	618	628	788	664	748	878	798	845
8	766	720	743	646	614	629	734	562	641	894	864	895
9	780	718	751	710	648	665	650	586	622	910	868	894
10	754	708	729	740	706	720	682	598	654	916	864	895
11	742	708	728	762	730	745	698	658	681	924	880	905
12	768	714	742	800	740	770	694	616	653	932	876	911
13	774	646	739	786	736	762	686	630	640	944	890	922
14	708	600	660	796	750	771	720	696	706	936	616	802
15	730	682	714	816	740	775	754	722	735	718	610	666
16	730	690	709	794	760	776	772	742	761	804	718	763
17	748	704	727	832	750	785	808	756	794	846	788	819
18	770	706	741	808	762	784	792	736	765	876	828	858
19	774	662	709	836	758	795	786	746	767	880	848	865
20	758	730	748	838	774	804	780	754	766	922	862	901
21	---	---	---	828	780	810	836	770	807	932	876	913
22	---	---	---	840	786	809	852	750	804	922	894	906
23	---	---	---	826	780	797	820	786	804	922	864	895
24	---	---	---	832	792	811	830	788	809	866	646	793
25	---	---	---	828	762	805	850	800	834	716	602	656
26	---	---	---	838	642	786	856	810	838	774	614	691
27	---	---	---	784	668	704	858	818	842	754	664	715
28	---	---	---	782	708	768	890	810	858	750	722	738
29	758	730	740	826	778	801	898	838	875	822	748	795
30	804	738	768	838	776	810	902	856	881	814	774	798
31	---	---	---	872	804	835	900	848	881	---	---	---
MONTH	804	600	730	872	486	745	902	562	772	944	602	828
YEAR	1340	362	718									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.6	7.9	8.0	7.8	7.8	8.1	8.0	8.1	8.1	8.0	8.1
2	8.5	8.0	8.2	8.0	7.8	7.9	8.1	7.9	8.0	8.1	8.0	8.1
3	8.5	8.0	8.2	7.9	7.8	7.9	8.0	7.9	8.0	8.1	8.0	8.1
4	8.1	7.9	8.0	8.1	7.9	8.0	8.1	8.0	8.1	8.2	8.1	8.1
5	8.1	7.9	8.0	8.2	7.9	8.1	8.1	7.7	8.1	8.2	8.0	8.1
6	8.1	7.7	7.9	8.3	7.9	8.1	8.3	8.2	8.3	8.3	8.1	8.2
7	8.4	7.8	8.1	8.2	8.0	8.1	8.3	7.9	8.2	8.3	8.2	8.2
8	8.4	7.9	8.2	8.2	8.0	8.1	8.2	8.0	8.1	8.3	8.2	8.2
9	8.5	8.1	8.3	8.2	7.9	8.1	8.2	8.1	8.1	8.3	8.1	8.3
10	8.7	8.3	8.4	8.1	7.9	8.0	8.3	7.9	8.2	8.3	8.1	8.2
11	8.4	8.0	8.1	8.0	7.9	7.9	8.5	8.3	8.3	8.4	8.2	8.3
12	8.1	7.9	8.0	8.1	7.5	8.0	8.5	8.4	8.5	8.3	8.2	8.2
13	8.0	7.6	7.8	8.2	8.0	8.1	8.4	8.3	8.3	8.3	8.1	8.2
14	8.0	7.6	7.8	8.2	8.0	8.1	8.4	8.3	8.4	8.3	8.0	8.2
15	8.2	7.7	7.9	8.1	7.9	8.0	8.4	8.3	8.3	8.4	8.2	8.3
16	8.2	7.7	8.0	8.1	7.9	8.0	8.3	7.8	8.1	8.3	8.2	8.3
17	8.1	7.9	8.0	8.1	7.9	8.0	8.3	8.0	8.1	8.3	8.2	8.3
18	8.0	7.8	7.9	8.0	7.9	8.0	8.2	7.8	8.0	8.4	8.2	8.3
19	7.9	7.8	7.8	8.1	7.9	8.0	7.8	7.5	7.6	8.4	8.3	8.3
20	8.0	7.8	7.9	8.0	7.9	7.9	8.2	7.9	8.1	8.4	8.3	8.3
21	7.8	7.8	7.8	8.0	7.9	7.9	8.2	8.2	8.2	8.3	8.2	8.3
22	7.9	7.8	7.9	8.0	7.8	8.0	8.3	8.1	8.2	8.4	8.2	8.3
23	8.0	7.8	7.9	8.1	7.9	8.0	8.3	8.2	8.2	8.3	8.1	8.3
24	8.0	7.9	7.9	8.0	7.9	8.0	8.2	8.2	8.2	8.2	8.0	8.1
25	8.0	7.9	7.9	8.0	8.0	8.0	8.2	8.2	8.2	8.2	8.1	8.2
26	8.0	7.9	7.9	8.1	8.0	8.0	8.2	8.1	8.2	8.2	8.1	8.1
27	8.1	8.0	8.0	8.2	8.1	8.1	8.2	7.9	8.1	8.3	8.1	8.2
28	8.1	7.2	7.9	8.2	8.1	8.1	8.1	8.0	8.1	8.1	8.0	8.1
29	8.1	7.8	8.0	8.3	8.0	8.1	8.1	8.0	8.1	8.1	8.1	8.1
30	8.1	7.9	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1
31	8.0	7.9	8.0	---	---	---	8.1	8.0	8.1	8.2	8.1	8.2
MONTH	8.7	7.2	8.0	8.3	7.5	8.0	8.5	7.5	8.2	8.4	8.0	8.2

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	8.2	8.2	8.4	8.3	8.3	---	---	---	8.2	8.2	8.2
2	8.3	8.2	8.2	8.4	8.2	8.3	8.2	8.2	8.2	8.3	8.2	8.2
3	8.2	8.1	8.2	8.4	7.9	8.3	8.2	8.1	8.2	8.3	8.0	8.2
4	8.1	8.0	8.1	8.4	8.3	8.3	8.1	8.1	8.1	8.1	8.0	8.1
5	8.0	8.0	8.0	8.3	8.2	8.3	8.2	8.1	8.1	8.2	8.0	8.1
6	8.1	8.0	8.1	8.4	8.2	8.3	8.1	8.1	8.1	8.3	8.2	8.2
7	8.2	8.1	8.1	8.5	8.4	8.4	8.1	8.0	8.1	8.3	8.1	8.2
8	8.2	8.1	8.1	8.5	8.4	8.4	8.2	8.1	8.1	8.3	8.0	8.2
9	8.2	8.1	8.1	8.5	8.4	8.4	8.2	8.1	8.1	8.3	8.2	8.3
10	8.2	8.1	8.1	8.5	8.4	8.5	8.2	8.1	8.1	8.4	8.2	8.3
11	---	---	---	8.6	8.5	8.5	8.3	8.2	8.2	8.4	8.2	8.3
12	---	---	---	8.6	8.5	8.5	8.3	8.1	8.2	8.4	8.1	8.3
13	---	---	---	8.5	8.2	8.4	8.3	8.2	8.3	8.3	8.2	8.3
14	8.0	7.9	7.9	8.4	8.2	8.3	8.3	8.0	8.3	8.4	8.2	8.3
15	8.0	7.9	8.0	8.5	8.4	8.4	8.4	8.2	8.3	8.4	8.1	8.2
16	8.1	7.6	8.0	8.4	7.9	8.2	8.4	8.3	8.3	8.6	8.1	8.3
17	8.2	8.1	8.1	---	---	---	8.3	8.2	8.3	8.7	8.4	8.5
18	8.2	8.1	8.2	---	---	---	8.2	8.2	8.2	8.7	8.1	8.5
19	8.3	8.1	8.2	---	---	---	8.2	8.2	8.2	8.8	8.4	8.6
20	8.3	8.2	8.2	---	---	---	8.3	8.2	8.2	8.5	8.3	8.4
21	8.3	8.2	8.2	---	---	---	8.3	8.2	8.3	8.3	8.0	8.2
22	8.3	8.2	8.2	---	---	---	8.3	8.2	8.3	8.1	7.9	8.0
23	8.2	8.1	8.2	---	---	---	8.3	8.0	8.2	8.0	7.9	8.0
24	8.3	8.1	8.2	---	---	---	8.1	8.0	8.0	8.0	7.9	8.0
25	8.3	7.7	8.2	---	---	---	8.1	8.0	8.1	8.1	7.9	8.0
26	8.4	8.3	8.3	---	---	---	8.2	8.1	8.1	8.1	8.0	8.1
27	8.4	8.4	8.4	---	---	---	8.1	8.1	8.1	8.2	8.0	8.1
28	8.4	8.3	8.4	---	---	---	8.2	8.1	8.1	8.1	8.0	8.1
29	8.4	8.2	8.4	---	---	---	8.2	8.1	8.1	8.1	8.0	8.0
30	---	---	---	---	---	---	8.2	8.1	8.2	8.2	8.0	8.1
31	---	---	---	---	---	---	---	---	---	8.2	8.2	8.2
MONTH	8.4	7.6	8.2	8.6	7.9	8.4	8.4	8.0	8.2	8.8	7.9	8.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.9	8.2	8.5	8.4	7.8	8.0	7.8	7.6	7.7
2	---	---	---	8.9	8.1	8.5	8.3	7.7	8.0	7.8	7.5	7.7
3	---	---	---	8.9	8.1	8.5	8.2	7.7	7.9	7.9	7.7	7.8
4	---	---	---	8.4	7.9	8.2	8.0	7.7	7.8	8.0	7.6	7.7
5	---	---	---	8.0	7.8	7.9	8.2	7.5	7.8	8.0	7.7	7.8
6	---	---	---	8.2	7.8	8.0	8.5	7.7	8.0	7.9	7.7	7.8
7	---	---	---	8.2	7.9	8.1	8.3	7.6	7.9	8.1	7.7	7.9
8	8.7	8.4	8.5	8.3	7.9	8.1	7.8	7.6	7.7	8.3	7.8	8.0
9	8.8	8.2	8.4	8.2	7.9	8.0	7.7	7.5	7.6	8.2	8.0	8.1
10	8.8	8.4	8.6	8.3	7.9	8.1	7.7	7.5	7.6	8.2	8.0	8.1
11	8.7	8.0	8.4	8.4	7.9	8.1	7.9	7.3	7.6	8.3	7.8	8.0
12	8.8	7.8	8.3	8.5	7.9	8.2	7.9	7.6	7.7	8.3	7.9	8.1
13	8.5	7.8	8.1	8.7	7.9	8.2	7.9	7.6	7.7	8.2	7.8	8.0
14	8.4	7.7	8.0	8.8	7.9	8.4	7.9	7.6	7.7	8.0	7.7	7.9
15	8.8	8.0	8.3	8.6	7.9	8.3	7.8	7.6	7.7	8.0	7.6	7.8
16	8.6	7.6	8.2	8.7	7.9	8.3	8.0	7.5	7.7	8.1	7.7	7.9
17	8.9	7.8	8.3	8.7	8.0	8.3	8.0	7.6	7.7	8.0	7.7	7.9
18	8.7	7.9	8.3	8.7	7.9	8.3	8.1	7.6	7.9	7.8	7.7	7.8
19	8.5	7.7	8.1	8.8	8.0	8.4	8.3	7.7	7.9	8.0	7.7	7.8
20	8.4	7.8	8.0	8.4	7.9	8.1	8.5	7.8	8.1	8.1	7.8	7.9
21	---	---	---	8.4	7.8	8.1	8.2	7.8	8.0	7.9	7.8	7.9
22	---	---	---	8.6	7.7	8.1	8.0	7.6	7.8	8.1	7.8	7.9
23	---	---	---	8.5	7.8	8.1	8.1	7.6	7.8	7.9	7.8	7.8
24	---	---	---	8.1	7.7	7.8	8.1	7.7	7.9	7.8	7.6	7.7
25	---	---	---	8.1	7.7	7.8	8.1	7.7	7.8	7.7	7.5	7.6
26	---	---	---	7.9	7.7	7.8	8.1	7.8	7.9	7.8	7.5	7.6
27	---	---	---	8.0	7.8	7.9	8.1	7.8	8.0	7.9	7.6	7.8
28	---	---	---	8.4	7.7	8.0	8.0	7.8	7.9	7.9	7.7	7.8
29	8.2	8.0	8.1	8.5	7.8	8.1	7.9	7.7	7.8	7.8	7.7	7.8
30	8.6	7.9	8.3	8.7	8.0	8.3	8.0	7.7	7.8	7.9	7.7	7.8
31	---	---	---	8.5	8.0	8.3	8.0	7.7	7.8	---	---	---
MONTH	8.9	7.6	8.3	8.9	7.7	8.2	8.5	7.3	7.8	8.3	7.5	7.9
YEAR	8.9	7.2	8.1									

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.0	19.0	19.5	15.0	13.0	14.0	5.0	4.0	4.5	.5	.0	.0
2	21.0	18.0	19.5	15.0	14.0	14.5	4.0	3.5	4.0	1.5	.5	.5
3	21.0	18.5	20.0	15.0	13.0	14.5	4.5	3.5	4.0	1.5	1.0	1.0
4	20.5	19.5	20.0	13.0	11.5	12.0	5.0	4.5	4.5	2.0	1.0	1.5
5	20.0	19.5	19.5	11.0	10.5	11.0	5.5	5.0	5.0	2.0	1.5	1.5
6	20.0	18.0	19.0	11.0	10.0	10.5	6.5	5.5	6.0	2.5	2.0	2.0
7	19.0	17.0	18.0	11.0	10.5	10.5	5.5	4.5	5.0	2.5	1.5	2.0
8	19.0	17.0	18.0	12.0	10.0	11.0	4.5	4.0	4.0	2.5	2.0	2.5
9	19.0	17.5	18.0	12.5	10.5	11.5	4.5	3.5	4.0	3.0	2.0	2.5
10	18.5	16.5	17.5	12.5	11.5	12.0	5.0	4.0	4.5	3.0	1.5	2.5
11	19.0	16.5	17.5	11.0	9.0	10.0	6.0	5.0	5.5	1.5	.5	1.0
12	19.0	18.0	18.5	9.0	8.0	8.0	7.0	6.0	6.5	1.5	.5	1.0
13	18.0	14.5	16.0	7.5	6.5	7.0	7.0	6.5	6.5	1.5	.5	1.0
14	14.5	13.0	14.0	7.0	6.0	6.5	7.0	6.5	6.5	2.0	1.5	1.5
15	15.0	13.5	14.0	8.0	7.0	7.5	6.5	5.0	5.5	2.0	1.0	1.5
16	16.0	14.0	15.0	7.5	7.0	7.5	5.0	3.5	4.0	1.5	1.0	1.5
17	16.5	15.0	15.5	7.0	6.0	6.5	3.5	2.5	3.0	2.0	1.5	1.5
18	16.0	14.5	15.0	7.5	6.5	7.0	2.5	2.0	2.0	1.5	1.0	1.5
19	14.5	13.5	14.0	9.5	7.5	8.5	1.5	.5	1.0	1.0	.5	.5
20	13.5	13.0	13.0	10.0	9.5	10.0	1.0	.5	.5	.5	.0	.5
21	13.0	12.5	13.0	10.0	9.0	9.5	2.0	1.0	1.5	.5	.0	.5
22	13.5	13.0	13.0	10.0	9.0	9.5	2.5	1.0	2.0	.5	.0	.0
23	13.5	13.5	13.5	11.0	10.0	10.5	1.0	.5	.5	.5	.0	.5
24	13.5	13.0	13.5	11.0	9.0	10.0	.5	.5	.5	1.5	.5	1.0
25	13.5	13.0	13.5	9.0	7.5	8.0	.5	.5	.5	1.0	.5	1.0
26	13.0	12.0	12.5	7.5	7.0	7.5	.5	.5	.5	2.0	1.0	1.5
27	12.5	11.0	11.5	7.5	7.0	7.5	.5	.0	.5	1.5	1.0	1.0
28	13.0	11.0	12.0	9.0	7.5	8.5	.5	.0	.0	1.5	.5	1.0
29	13.5	12.5	13.0	8.0	6.5	7.5	.5	.0	.5	1.5	1.0	1.5
30	12.5	11.5	12.0	6.5	5.5	6.0	.5	.0	.5	2.0	1.0	1.5
31	13.0	11.5	12.5	---	---	---	.5	.0	.5	2.0	1.0	1.5
MONTH	21.0	11.0	15.5	15.0	5.5	9.5	7.0	.0	3.0	3.0	.0	1.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	1.5	2.0	3.0	1.5	2.0	---	---	---	16.0	14.5	15.0
2	4.0	2.5	3.0	4.5	2.5	3.5	9.5	9.0	9.5	15.5	14.5	15.0
3	4.5	2.5	3.5	5.0	3.5	4.0	9.5	8.5	9.0	15.0	14.0	14.0
4	2.0	.5	1.0	4.0	3.5	3.5	8.5	8.5	8.5	13.5	12.5	13.0
5	2.0	1.0	1.5	4.5	3.5	4.0	8.5	7.0	8.0	13.5	12.0	12.5
6	1.5	1.0	1.0	4.0	3.5	4.0	7.0	6.0	6.5	14.5	13.0	13.5
7	1.0	.5	.5	4.5	3.0	3.5	7.0	5.5	6.0	15.5	14.5	15.0
8	2.0	.5	1.0	4.0	2.0	3.0	8.0	6.5	7.0	15.5	14.0	15.0
9	3.0	1.5	2.0	3.0	1.0	2.0	9.5	8.0	8.5	13.5	11.5	12.5
10	3.5	3.0	3.0	3.0	1.5	2.5	11.0	9.0	10.0	13.5	11.0	12.5
11	---	---	---	4.0	2.0	3.0	11.5	9.5	11.0	15.5	13.5	14.5
12	---	---	---	3.0	2.5	3.0	12.0	11.0	11.5	18.0	15.5	16.5
13	---	---	---	4.0	2.5	3.0	13.0	11.5	12.0	17.0	16.0	16.5
14	6.5	6.0	6.0	4.5	3.5	4.0	14.0	12.5	13.0	16.5	15.0	16.0
15	6.0	5.0	5.5	7.5	4.5	6.0	13.5	12.5	13.0	17.5	15.0	16.0
16	6.0	5.5	5.5	8.0	5.0	7.0	12.5	11.5	11.5	18.0	15.0	16.5
17	6.5	6.0	6.0	---	---	---	11.5	9.0	10.5	18.5	16.0	17.0
18	7.5	6.5	7.0	---	---	---	9.0	8.0	8.5	19.5	17.0	18.0
19	8.5	7.5	8.0	---	---	---	8.5	7.5	8.0	21.0	18.0	19.5
20	8.5	7.5	7.5	---	---	---	10.0	8.0	9.0	20.5	19.5	20.0
21	7.5	6.5	7.0	---	---	---	10.0	9.5	10.0	20.0	19.5	20.0
22	7.5	6.5	7.0	---	---	---	10.5	9.0	9.5	20.0	18.0	19.0
23	8.0	7.0	7.5	---	---	---	9.5	7.5	8.5	20.5	19.0	19.5
24	8.5	7.5	8.0	---	---	---	8.0	7.5	8.0	19.5	18.0	19.0
25	8.0	7.0	7.5	---	---	---	9.5	8.0	8.5	19.5	18.0	18.5
26	7.0	6.5	7.0	---	---	---	13.0	9.5	11.5	20.5	19.0	19.5
27	6.5	3.5	4.5	---	---	---	15.5	13.0	14.5	20.0	19.0	19.5
28	3.0	2.0	2.5	---	---	---	16.5	15.5	16.0	19.0	17.5	18.0
29	2.0	1.0	1.5	---	---	---	16.5	15.5	16.0	17.5	15.0	16.0
30	---	---	---	---	---	---	16.5	15.5	16.0	15.0	13.5	14.5
31	---	---	---	---	---	---	---	---	---	14.5	14.0	14.5
MONTH	8.5	.5	4.5	8.0	1.0	3.5	16.5	5.5	10.5	21.0	11.0	16.5

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued
TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	23.5	21.5	22.5	26.0	24.0	25.0	24.0	22.0	23.0
2	---	---	---	24.5	22.0	23.0	26.5	24.5	25.5	25.5	22.0	23.5
3	---	---	---	24.5	22.0	23.5	26.5	25.0	25.5	24.5	22.0	23.0
4	---	---	---	23.5	22.5	23.0	26.0	25.0	25.5	23.0	20.5	21.5
5	---	---	---	22.5	22.0	22.5	26.0	24.0	25.0	22.0	20.0	21.0
6	---	---	---	23.0	22.0	22.5	27.0	24.5	25.5	22.0	19.0	20.5
7	---	---	---	22.5	21.0	22.0	27.0	25.0	26.0	22.5	20.0	21.0
8	24.5	23.0	24.0	23.0	20.5	22.0	26.5	25.0	25.5	23.0	20.0	21.5
9	25.0	22.5	24.0	23.0	21.5	22.5	27.0	25.5	26.0	21.5	20.0	21.0
10	26.0	23.5	24.5	26.0	22.5	24.0	27.0	25.5	26.0	22.5	20.0	21.0
11	26.5	24.0	25.5	26.0	24.5	25.5	27.0	25.0	26.0	25.0	21.5	23.0
12	27.0	24.0	25.5	27.0	23.5	25.0	25.5	24.5	25.0	25.5	22.0	23.5
13	27.0	25.0	26.0	27.0	24.5	26.0	26.5	24.0	25.0	26.0	22.5	24.0
14	26.5	24.5	25.5	28.0	25.0	26.5	27.0	24.0	25.5	25.0	22.0	23.5
15	26.0	24.0	25.0	26.5	25.0	26.0	27.5	24.5	26.0	22.0	20.0	21.0
16	25.5	23.5	24.5	27.0	24.0	25.5	27.0	24.5	26.0	21.0	18.5	19.5
17	26.5	23.5	25.0	26.5	23.5	25.0	27.0	25.0	26.0	20.0	17.5	19.0
18	26.5	24.5	25.5	25.5	23.5	24.5	27.0	24.5	26.0	21.0	17.5	19.0
19	27.0	24.5	26.0	25.5	22.0	24.0	26.5	24.5	25.5	22.0	18.0	20.0
20	26.5	25.5	26.0	24.5	22.5	23.5	25.5	22.5	24.0	22.5	19.5	21.0
21	---	---	---	25.0	22.0	23.5	25.5	22.5	24.0	23.5	20.5	22.0
22	---	---	---	26.5	23.0	25.0	24.5	23.5	23.5	24.0	21.5	22.5
23	---	---	---	27.5	24.0	26.0	24.5	22.0	23.0	23.0	21.5	22.0
24	---	---	---	26.5	25.0	25.5	24.5	21.5	23.0	21.5	20.5	21.0
25	---	---	---	25.5	23.5	24.5	24.5	21.5	23.0	22.0	20.0	21.0
26	---	---	---	24.0	22.5	23.0	25.0	22.0	23.5	21.0	18.5	20.0
27	---	---	---	23.5	21.5	22.5	25.0	22.5	23.5	18.5	15.5	17.0
28	---	---	---	24.0	21.5	22.5	24.5	23.0	23.5	16.5	14.5	15.5
29	24.5	23.5	24.0	24.5	21.5	23.0	26.5	22.5	24.5	16.5	15.5	16.0
30	23.5	21.5	22.5	24.5	22.0	23.5	26.5	24.5	25.0	16.0	14.5	15.0
31	---	---	---	26.0	23.0	24.5	26.0	22.5	24.0	---	---	---
MONTH	27.0	21.5	25.0	28.0	20.5	24.0	27.5	21.5	25.0	26.0	14.5	21.0
YEAR	28.0	.0	13.0									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	3.6	5.1	7.1	6.2	6.7	12.3	12.0	12.2	12.1	11.7	11.8
2	10.0	3.6	6.2	6.6	5.7	6.2	12.5	12.2	12.4	12.0	11.7	11.8
3	10.4	3.8	6.6	6.5	5.6	6.0	12.6	12.3	12.4	12.1	11.6	11.9
4	5.3	3.4	4.2	8.0	6.3	7.1	12.3	12.0	12.1	12.9	11.5	12.3
5	4.7	2.7	3.9	9.3	7.2	8.4	12.4	12.0	12.2	12.6	12.3	12.5
6	7.9	3.8	5.5	9.4	8.2	8.7	12.0	11.8	11.9	12.4	12.2	12.3
7	8.9	4.5	6.6	8.9	7.9	8.4	12.4	11.9	12.2	12.7	12.2	12.4
8	9.9	4.5	7.1	8.5	7.4	7.9	12.6	12.3	12.5	12.7	12.4	12.5
9	10.5	5.1	7.6	8.4	7.2	7.7	12.6	12.4	12.5	12.7	12.2	12.5
10	11.5	6.3	8.3	7.6	6.7	7.1	12.5	12.3	12.4	12.7	12.1	12.5
11	8.8	4.7	6.6	8.5	7.1	7.8	12.3	11.8	12.1	13.3	12.6	12.9
12	5.6	3.8	4.7	10.1	8.6	9.4	11.8	11.6	11.7	13.1	12.8	13.0
13	7.3	5.0	6.3	10.6	10.1	10.4	11.8	11.6	11.7	12.8	12.4	12.6
14	8.1	7.1	7.5	10.7	10.1	10.4	11.6	11.5	11.5	13.0	12.4	12.7
15	9.4	7.1	8.0	10.1	9.3	9.8	12.0	11.6	11.8	13.3	12.3	12.8
16	8.8	6.8	7.8	10.4	9.3	9.9	12.6	12.0	12.4	13.2	12.5	12.9
17	7.9	6.1	7.1	10.7	10.4	10.6	12.9	12.6	12.8	13.0	12.2	12.7
18	7.0	5.7	6.3	10.7	10.5	10.6	13.1	12.8	13.0	13.3	12.6	12.9
19	7.4	5.9	6.6	10.6	9.7	10.2	13.4	13.1	13.3	13.8	12.8	13.4
20	8.2	6.6	7.3	9.7	9.0	9.4	13.3	13.0	13.2	13.6	13.4	13.5
21	8.1	7.4	7.9	9.8	6.9	8.8	13.1	12.7	12.9	13.9	13.2	13.5
22	7.8	7.1	7.4	10.2	9.5	9.8	12.8	12.4	12.6	13.9	12.3	13.1
23	8.5	7.4	8.1	9.9	9.4	9.7	13.1	12.8	12.9	13.7	12.6	13.1
24	8.6	8.3	8.5	10.3	9.5	9.9	13.9	13.1	13.7	12.8	12.1	12.6
25	8.5	8.2	8.4	11.1	10.3	10.8	13.8	13.1	13.4	13.1	12.5	12.9
26	8.7	8.2	8.4	11.4	11.2	11.3	13.2	12.8	13.0	12.9	12.7	12.8
27	9.1	8.2	8.6	11.4	11.2	11.3	12.7	12.2	12.5	12.9	12.5	12.8
28	8.7	7.7	8.3	11.2	10.9	11.0	12.2	11.9	12.1	12.7	12.3	12.5
29	8.2	7.0	7.6	11.5	11.0	11.2	12.5	11.9	12.3	12.3	11.9	12.1
30	8.3	6.8	7.6	11.9	11.5	11.8	12.6	12.4	12.5	12.2	11.8	11.9
31	8.1	7.0	7.4	---	---	---	12.4	12.0	12.2	12.9	12.0	12.5
MONTH	11.5	2.7	7.0	11.9	5.6	9.3	13.9	11.5	12.8	13.9	11.5	12.6

BEST COPY AVAILABLE

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.8	12.4	12.5	14.4	12.8	13.5	---	---	---	9.3	8.0	8.6
2	12.7	12.0	12.3	13.9	12.2	12.9	10.2	9.4	9.8	9.8	7.9	8.8
3	12.2	11.3	11.9	13.6	11.5	12.4	9.5	9.1	9.3	8.7	7.8	8.3
4	12.9	12.2	12.7	12.8	11.3	12.0	9.7	9.2	9.4	8.7	7.8	8.2
5	12.7	12.6	12.6	12.4	11.0	11.7	10.2	9.6	10.0	9.8	8.1	8.8
6	13.0	12.6	12.9	13.0	11.8	12.5	10.7	10.2	10.5	9.4	8.2	8.8
7	13.2	12.9	13.0	14.2	12.5	13.3	11.0	10.7	10.8	9.3	7.6	8.2
8	13.2	12.8	13.0	13.7	11.9	12.7	10.7	10.3	10.5	9.6	7.2	8.4
9	12.8	12.3	12.5	14.6	12.5	13.6	10.2	9.7	10.0	9.3	8.0	8.6
10	12.2	11.7	11.9	14.5	12.6	13.4	10.1	9.4	9.8	11.6	8.2	9.4
11	---	---	---	14.4	12.0	13.1	10.5	9.1	9.8	10.7	7.1	8.7
12	---	---	---	14.0	11.7	12.7	10.3	9.1	9.6	11.2	6.3	8.6
13	---	---	---	12.2	10.9	11.5	10.2	8.7	9.4	9.5	6.7	8.0
14	13.1	12.4	12.8	12.5	10.8	11.6	10.6	8.7	9.5	10.9	6.8	8.3
15	13.4	12.9	13.2	12.4	10.3	11.3	10.9	8.6	9.6	10.8	6.4	8.3
16	13.3	12.9	13.1	11.1	9.3	10.4	10.2	9.1	9.7	12.4	5.9	8.8
17	12.9	12.6	12.8	---	---	---	10.0	9.6	9.8	12.8	7.0	9.6
18	12.7	11.8	12.4	---	---	---	10.6	10.0	10.4	13.0	6.5	9.5
19	12.1	11.8	11.9	---	---	---	10.9	10.6	10.7	13.5	6.0	9.4
20	12.4	11.7	12.0	---	---	---	11.1	10.5	10.8	9.7	5.2	7.5
21	12.7	12.0	12.3	---	---	---	10.6	10.1	10.3	9.0	4.9	6.5
22	12.7	11.6	12.1	---	---	---	10.3	10.0	10.1	7.8	6.7	7.3
23	12.0	11.2	11.5	---	---	---	10.8	10.1	10.5	7.3	6.6	7.0
24	11.8	10.3	11.0	---	---	---	10.9	10.7	10.8	7.4	7.0	7.3
25	11.7	10.2	11.0	---	---	---	11.0	10.6	10.9	7.5	7.0	7.2
26	12.6	10.9	11.8	---	---	---	10.5	9.6	10.2	7.7	6.7	7.1
27	12.7	11.9	12.3	---	---	---	9.5	8.5	9.0	8.6	6.4	7.2
28	13.4	12.6	13.0	---	---	---	9.0	8.4	8.7	8.0	6.3	7.2
29	14.4	13.0	13.6	---	---	---	8.9	8.3	8.6	8.4	7.4	7.9
30	---	---	---	---	---	---	8.9	8.1	8.5	9.7	8.2	9.0
31	---	---	---	---	---	---	---	---	---	9.4	8.2	8.6
MONTH	14.4	10.2	12.4	14.6	9.3	12.4	11.1	8.1	9.9	13.5	4.9	8.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	7.1	2.7	4.7	3.8	1.6	2.5
2	---	---	---	---	---	---	6.4	2.2	4.0	2.7	.7	1.3
3	---	---	---	---	---	---	5.7	2.1	3.8	4.1	1.3	2.6
4	---	---	---	---	---	---	5.0	1.9	3.2	7.3	2.5	4.3
5	---	---	---	---	---	---	5.1	1.9	3.2	6.1	2.4	4.1
6	---	---	---	---	---	---	7.4	2.2	4.4	6.5	3.5	4.8
7	---	---	---	---	---	---	6.3	2.0	3.9	7.9	3.6	5.2
8	13.0	6.9	10.4	---	---	---	6.0	2.1	4.3	8.7	3.5	5.8
9	14.2	3.9	8.6	---	---	---	6.0	3.3	4.5	6.6	3.5	5.0
10	14.2	5.5	9.7	---	---	---	5.7	3.0	4.1	7.3	3.0	4.8
11	14.2	4.2	9.0	---	---	---	6.7	2.9	4.6	8.1	2.7	4.9
12	15.1	2.4	8.4	---	---	---	6.0	3.5	4.5	8.4	2.4	4.9
13	12.0	3.7	7.6	---	---	---	7.0	3.5	4.3	8.4	1.9	4.7
14	11.1	2.6	6.3	---	---	---	7.3	3.3	4.8	4.6	1.8	3.3
15	16.4	3.7	9.1	---	---	---	6.9	3.1	4.5	6.1	2.8	4.0
16	13.4	3.5	8.3	---	---	---	7.4	2.5	4.4	7.7	3.0	4.9
17	15.8	4.1	9.3	---	---	---	8.3	2.4	5.0	7.1	3.2	4.8
18	14.3	3.6	8.2	---	---	---	8.8	3.1	5.4	4.7	3.0	3.9
19	11.1	2.4	6.5	---	---	---	8.8	2.5	5.2	7.4	2.8	4.6
20	8.7	2.3	4.3	---	---	---	11.2	2.7	6.3	7.5	2.7	4.8
21	---	---	---	---	---	---	9.4	2.4	5.6	5.2	2.1	3.6
22	---	---	---	---	---	---	4.7	2.4	3.3	8.2	1.8	4.5
23	---	---	---	---	---	---	7.9	2.5	4.7	4.8	2.0	3.1
24	---	---	---	---	---	---	8.1	3.1	5.3	4.0	1.9	2.8
25	---	---	---	---	---	---	7.7	2.8	4.8	5.2	3.0	3.8
26	---	---	---	---	---	---	7.6	2.7	4.8	5.8	2.7	4.0
27	---	---	---	---	---	---	7.4	2.6	4.5	5.8	3.8	4.7
28	---	---	---	8.1	4.5	5.9	4.9	2.1	3.3	6.2	4.5	5.2
29	---	---	---	8.2	3.6	5.8	5.8	1.8	3.4	5.5	4.4	4.8
30	---	---	---	8.4	3.4	5.9	5.5	1.5	2.8	5.8	4.2	4.9
31	---	---	---	8.4	3.1	5.6	6.1	1.6	3.3	---	---	---
MONTH	16.4	2.3	8.1	8.4	3.1	5.8	11.2	1.5	4.4	8.7	.7	4.2
YEAR	16.4	.7	9.0									

BEST COPY AVAILABLE

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	915	838	556	829	712	792	---	652	---	740	813	913
2	902	838	597	899	772	812	570	678	---	730	820	916
3	887	728	680	906	748	819	575	659	---	720	810	849
4	890	750	651	850	411	782	563	656	---	613	820	678
5	823	774	603	833	401	799	488	683	---	566	711	838
6	696	791	524	804	459	763	438	675	---	505	769	848
7	760	810	503	794	549	704	415	700	---	629	751	849
8	794	808	525	790	615	701	488	699	746	627	621	890
9	819	817	569	792	654	723	560	702	747	651	626	900
10	824	822	609	813	674	742	508	708	728	719	659	901
11	865	697	634	874	---	732	642	710	728	744	684	905
12	870	699	600	842	---	727	666	710	738	766	642	915
13	516	673	400	836	---	841	681	704	748	760	636	926
14	561	643	522	838	478	833	680	703	658	770	703	850
15	609	679	572	826	493	760	678	716	720	768	733	664
16	690	677	610	832	537	566	642	727	706	772	762	764
17	746	587	632	876	571	---	574	718	727	768	801	828
18	749	575	658	859	599	---	510	723	742	780	767	862
19	714	596	679	922	628	---	525	710	704	793	767	865
20	670	622	716	906	642	---	561	716	752	798	765	910
21	521	644	728	912	661	---	593	649	---	809	803	920
22	651	676	773	919	674	---	589	596	---	805	799	904
23	623	574	752	905	694	---	384	586	---	797	803	899
24	585	546	782	1160	708	---	370	564	---	810	807	836
25	610	519	816	920	707	---	404	591	---	810	833	654
26	636	554	814	709	710	---	465	625	---	803	844	678
27	671	592	806	671	703	---	526	652	---	695	842	715
28	719	545	977	604	751	---	564	644	---	776	872	738
29	746	486	1040	577	752	---	596	640	738	798	884	799
30	772	505	874	631	---	---	625	677	766	814	883	800
31	799	---	841	718	---	---	---	700	---	824	889	---
MEAN	730	669	681	827	627	756	561	673	730	744	772	834

WTR YR 1984 MEAN 717 MAX 1160 MIN 370

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	7.8	8.1	8.1	8.2	8.3	---	8.2	---	8.5	8.1	7.8
2	8.1	7.9	8.0	8.1	8.2	8.3	8.2	8.2	---	8.5	8.0	7.7
3	8.1	7.9	8.0	8.1	8.2	8.3	8.2	8.2	---	8.6	7.9	7.8
4	8.0	7.9	8.1	8.1	8.1	8.3	8.1	8.1	---	8.2	7.8	7.7
5	8.0	8.1	8.1	8.1	8.0	8.2	8.1	8.2	---	7.9	7.7	7.9
6	7.8	8.0	8.3	8.2	8.1	8.3	8.1	8.2	---	8.1	8.0	7.8
7	8.0	8.1	8.2	8.2	8.1	8.4	8.1	8.2	---	8.1	7.8	7.8
8	8.2	8.1	8.1	8.2	8.2	8.4	8.1	8.2	8.5	8.0	7.7	8.0
9	8.3	8.1	8.1	8.3	8.2	8.4	8.1	8.3	8.4	8.0	7.6	8.1
10	8.4	8.0	8.3	8.2	8.1	8.5	8.2	8.3	8.5	8.0	7.6	8.1
11	8.1	7.9	8.3	8.3	---	8.5	8.2	8.3	8.4	8.1	7.6	8.0
12	8.0	8.0	8.5	8.2	---	8.5	8.2	8.3	8.2	8.1	7.7	8.0
13	7.8	8.1	8.3	8.2	---	8.4	8.3	8.3	8.1	8.3	7.7	8.0
14	7.8	8.1	8.4	8.2	7.9	8.3	8.3	8.2	7.9	8.4	7.6	7.9
15	8.0	8.1	8.3	8.3	8.0	8.4	8.3	8.2	8.4	8.2	7.6	7.8
16	8.0	8.0	8.1	8.3	8.1	8.2	8.3	8.3	8.3	8.3	7.7	7.9
17	8.0	8.0	8.1	8.3	8.1	---	8.3	8.5	8.3	8.3	7.7	7.8
18	7.8	8.0	8.1	8.3	8.2	---	8.2	8.5	8.3	8.4	7.8	7.8
19	7.8	8.0	7.6	8.3	8.2	---	8.2	8.6	8.1	8.6	7.9	7.8
20	7.8	7.9	8.1	8.3	8.2	---	8.2	8.4	7.9	8.1	8.1	7.9
21	7.8	7.9	8.2	8.3	8.2	---	8.3	8.2	---	8.1	8.0	7.8
22	7.9	8.0	8.2	8.3	8.2	---	8.3	8.0	---	8.1	7.7	7.9
23	8.0	8.0	8.2	8.3	8.2	---	8.2	8.0	---	8.2	7.9	7.8
24	7.9	8.0	8.2	8.1	8.2	---	8.0	8.0	---	7.8	7.8	7.7
25	7.9	8.0	8.2	8.2	8.2	---	8.1	8.0	---	7.7	7.8	7.6
26	7.9	8.0	8.2	8.1	8.3	---	8.1	8.1	---	7.8	7.9	7.6
27	8.0	8.1	8.1	8.2	8.4	---	8.1	8.1	---	7.8	7.9	7.8
28	8.0	8.1	8.1	8.1	8.4	---	8.1	8.1	---	7.9	7.9	7.8
29	8.0	8.1	8.1	8.1	8.4	---	8.1	8.0	8.1	8.1	7.7	7.8
30	8.0	8.0	8.1	8.1	---	---	8.2	8.2	8.4	8.3	7.8	7.8
31	8.0	---	8.1	8.2	---	---	---	8.2	---	8.3	7.8	---
MEAN	8.0	8.0	8.2	8.2	8.2	8.4	8.2	8.2	8.3	8.2	7.8	7.8

WTR YR 1984 MEAN 8.1 MAX 8.6 MIN 7.6

03271510 GREAT MIAMI RIVER NEAR LINDEN AVENUE AT MIAMISBURG, OH.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.5	14.0	4.5	.0	2.0	2.0	---	15.5	---	22.5	25.0	23.0
2	19.0	14.5	3.5	.5	3.5	3.5	9.5	15.0	---	23.0	25.5	23.5
3	19.5	15.0	4.0	1.0	3.0	4.0	9.0	14.0	---	23.5	25.5	23.5
4	20.0	12.0	4.5	1.5	1.0	3.5	8.5	13.0	---	23.0	25.5	21.5
5	19.5	11.0	5.0	2.0	1.0	4.0	8.0	12.5	---	22.5	25.0	20.5
6	19.0	10.5	6.0	2.0	1.0	4.0	6.5	13.5	---	22.0	25.5	20.5
7	18.5	11.0	5.0	2.0	1.0	3.5	6.0	15.0	---	22.0	26.0	20.5
8	18.0	11.0	4.0	2.5	1.0	3.0	7.0	15.0	24.0	22.0	25.5	21.0
9	18.0	11.5	4.0	2.5	2.0	2.0	8.5	12.5	23.5	22.0	26.0	21.0
10	17.5	11.5	4.5	2.5	3.0	2.5	10.0	13.0	24.5	24.0	26.0	20.5
11	17.5	10.5	5.0	1.0	---	3.0	10.5	15.0	25.0	25.0	26.0	23.0
12	18.0	8.0	6.5	1.0	---	3.0	11.5	17.0	25.5	25.0	25.0	23.5
13	16.0	7.0	6.5	1.0	---	3.0	12.0	16.5	26.0	26.0	25.0	24.0
14	14.0	6.5	6.5	1.5	6.0	4.0	13.5	16.0	25.5	26.5	25.5	24.0
15	14.0	7.5	5.5	1.5	5.5	5.5	12.5	16.0	25.0	25.5	26.0	21.0
16	15.0	7.5	4.0	1.5	5.5	7.5	11.5	16.5	24.5	25.0	26.0	19.5
17	15.5	6.5	3.0	1.5	6.0	---	10.5	16.5	25.0	25.0	26.0	19.0
18	15.0	6.5	2.0	1.0	6.5	---	8.5	17.5	25.5	24.5	26.0	19.0
19	14.0	8.0	1.0	.5	8.0	---	8.0	19.0	25.5	24.0	25.5	20.0
20	13.0	10.0	.5	.5	7.5	---	9.0	20.0	26.0	23.5	24.0	21.0
21	13.0	9.5	1.0	.5	7.0	---	10.0	20.0	---	23.5	24.0	21.5
22	13.5	9.5	2.0	.0	7.0	---	9.5	19.0	---	24.5	23.5	22.5
23	13.5	10.5	.5	.5	7.5	---	8.0	20.0	---	25.5	23.0	22.0
24	13.5	10.0	.5	1.0	8.5	---	8.0	19.0	---	26.0	23.0	21.0
25	13.5	8.0	.5	1.0	7.5	---	8.5	18.5	---	24.5	23.0	21.0
26	12.5	7.5	.5	1.0	7.0	---	11.0	19.5	---	23.0	23.5	20.0
27	12.0	7.5	.5	1.0	4.5	---	14.5	19.5	---	22.5	24.0	17.0
28	12.0	8.5	.0	1.0	2.5	---	16.0	18.0	---	22.0	23.5	15.5
29	13.0	7.5	.5	1.5	2.0	---	16.0	15.5	24.0	23.0	24.0	16.0
30	12.0	6.0	.5	1.5	---	---	16.0	14.5	23.0	23.5	25.0	15.0
31	12.5	---	.0	1.5	---	---	---	14.5	---	24.5	24.0	---
MEAN	15.5	9.5	3.0	1.0	4.5	3.5	10.5	16.5	25.0	24.0	25.0	20.5

WTR YR 1984 MEAN 13.0 MAX 26.5 MIN .0

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	6.8	12.2	11.9	12.5	13.5	---	8.6	---	---	4.5	2.4
2	5.6	6.3	12.4	11.8	12.3	12.9	9.9	8.9	---	---	3.9	1.0
3	5.9	6.0	12.4	11.5	12.0	12.3	9.4	8.3	---	---	3.6	3.0
4	4.3	7.3	12.1	12.7	12.8	12.0	9.5	8.2	---	---	3.0	3.7
5	4.1	8.6	12.2	12.5	12.6	11.7	10.0	8.9	---	---	3.0	4.3
6	5.2	8.6	11.9	12.3	12.9	12.7	10.6	8.7	---	---	4.4	4.7
7	6.4	8.3	12.2	12.5	13.1	13.2	10.8	8.1	---	---	3.8	4.7
8	7.3	7.9	12.5	12.5	13.0	12.7	10.6	8.4	10.5	---	4.7	5.6
9	7.3	7.7	12.5	12.5	12.6	13.6	10.1	8.5	8.6	---	4.3	5.1
10	7.4	7.1	12.4	12.5	11.9	13.3	9.7	8.9	9.7	---	3.9	4.5
11	6.3	7.8	12.1	12.8	---	12.9	9.7	8.4	8.8	---	4.3	4.6
12	4.9	9.5	11.7	13.0	---	12.5	9.5	8.5	8.5	---	4.4	4.4
13	6.4	10.4	11.7	12.7	---	11.5	9.4	7.9	7.1	---	4.4	4.3
14	7.5	10.4	11.6	12.6	12.8	11.7	9.5	7.8	5.7	---	4.3	3.5
15	7.8	9.9	11.8	12.9	13.2	11.4	9.7	7.9	8.5	---	4.0	4.0
16	7.9	10.0	12.4	12.9	13.1	10.8	9.8	8.6	8.2	---	4.0	4.5
17	7.2	10.6	12.9	12.8	12.8	---	9.9	9.1	8.5	---	4.9	4.5
18	6.3	10.6	13.0	13.0	12.6	---	10.5	9.1	7.3	---	4.9	3.8
19	6.5	10.2	13.3	13.5	11.9	---	10.7	8.9	5.8	---	4.7	4.4
20	7.2	9.5	13.2	13.5	12.0	---	10.8	7.4	3.4	---	5.9	4.4
21	7.9	9.4	12.9	13.5	12.3	---	10.3	6.8	---	---	5.4	3.5
22	7.3	9.9	12.6	13.2	12.1	---	10.1	7.2	---	---	3.6	3.8
23	8.3	9.7	12.9	13.1	11.5	---	10.7	7.1	---	---	4.7	2.9
24	8.5	9.9	13.7	12.6	11.0	---	10.8	7.4	---	---	4.7	2.9
25	8.4	10.9	13.3	12.9	11.2	---	10.9	7.2	---	---	4.3	3.5
26	8.3	11.3	13.0	12.8	12.0	---	10.3	7.1	---	---	4.5	3.9
27	8.5	11.3	12.6	12.8	12.4	---	9.2	7.0	---	---	4.0	4.9
28	8.3	11.0	12.1	12.5	13.1	---	8.7	7.4	---	5.6	3.1	5.2
29	7.6	11.2	12.3	12.1	13.6	---	8.6	8.1	---	5.8	3.1	4.9
30	7.6	11.8	12.5	11.9	---	---	8.5	9.1	---	5.9	2.6	4.9
31	7.5	---	12.2	12.6	---	---	---	8.6	---	5.3	2.9	---
MEAN	6.9	9.3	12.5	12.7	12.4	12.4	9.9	8.1	7.7	5.7	4.1	4.1

WTR YR 1984 MEAN 8.9 MAX 13.7 MIN 1.0

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03271300 TWIN CREEK NEAR INGOMAR, OH

LOCATION.--Lat 39°42'28", long 84°31'30", in sec. 15, T.5 N., R.3 E., Preble County, Hydrologic Unit 05080002, on left bank at downstream side of bridge on Halderman Road, 0.5 mi downstream from Bantas Fork, 1.4 mi west of Ingomar, and 4.8 mi upstream from Aukerman Creek.

DRAINAGE AREA.--197 mi² .

PERIOD OF RECORD.--Occasional low-flow measurements water years 1959, 1961-62, October 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 815.42 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for the winter period, which are poor. Sediment data collected at this site 1970 to 1974.

COOPERATION.--Gage-height tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--22 years, 193 ft³/s, 13.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,300 ft³/s Mar. 4, 1963, gage height, 14.40 ft, from rating curve extended above 7,000 ft³/s on basis of contracted-opening measurement at gage height 18.8 ft; minimum daily, 2.5 ft³/s Sept. 12-14, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959 reached a stage of 18.8 ft, discharge, 30,300 ft³/s, computed by Miami Conservancy District. Flood of Mar. 25, 1913 reached a stage of 28.0 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4700 ft³/s and maximums (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 16	0645	* 4,050	* 6.64	No peak above base.			

Minimum discharge, 2.9 ft³/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	25	197	54	45	100	258	161	102	29	14	7.6
2	3.2	24	165	52	151	96	219	142	93	28	15	7.1
3	3.5	28	146	50	1040	92	219	168	84	26	14	11
4	3.8	48	611	48	326	90	396	213	75	50	20	24
5	4.5	52	756	47	173	183	2550	176	69	128	100	18
6	12	43	806	46	82	381	1790	208	66	255	33	14
7	10	37	465	45	64	288	783	216	60	130	22	12
8	7.8	33	278	44	54	200	448	252	54	80	19	9.9
9	6.4	30	216	42	49	150	326	255	50	57	17	9.5
10	5.6	30	202	40	52	120	255	197	47	48	18	10
11	6.0	98	723	39	165	110	211	168	43	42	15	9.9
12	6.4	156	1380	38	208	100	183	151	40	36	14	9.0
13	37	96	596	37	404	130	181	128	39	33	14	8.2
14	35	71	408	35	767	246	181	120	45	29	13	10
15	22	89	358	33	384	911	246	106	38	26	12	15
16	16	333	243	31	294	3020	558	98	35	25	11	13
17	12	191	183	29	252	1180	935	91	33	23	11	11
18	13	133	140	27	219	707	601	87	31	22	17	9.6
19	13	110	120	24	231	482	420	84	32	20	17	9.1
20	23	158	100	22	194	1250	326	85	53	19	13	8.6
21	91	288	100	21	158	2060	265	954	53	20	11	7.8
22	79	173	110	20	133	1120	1000	504	34	18	11	7.0
23	262	917	82	22	120	767	1920	1100	39	17	12	8.5
24	173	954	70	120	114	596	1350	517	144	15	12	15
25	104	369	64	258	199	636	566	281	142	18	11	18
26	66	228	80	197	262	1060	424	199	72	23	9.6	32
27	49	197	74	284	228	661	308	149	49	25	8.8	31
28	40	1330	70	104	197	592	243	144	42	21	9.3	21
29	33	549	64	66	120	511	199	158	35	18	9.6	17
30	29	278	60	53	---	452	197	135	31	16	9.1	14
31	27	---	56	48	---	315	---	118	---	15	8.1	---
TOTAL	1196.4	7068	8923	1976	6685	19006	17558	7375	1730	1312	520.5	397.8
MEAN	38.6	236	288	63.7	231	613	585	238	57.7	42.3	16.8	13.3
MAX	262	1330	1380	284	1040	3020	2550	1100	144	255	100	32
MIN	3.2	24	56	20	45	90	181	84	31	15	8.1	7.0
CFSM	.20	1.20	1.46	.32	1.17	3.11	2.97	1.21	.29	.22	.09	.07
IN.	.23	1.33	1.68	.37	1.26	3.59	3.32	1.39	.33	.25	.10	.08

CAL YR 1983 TOTAL 58053.7 MEAN 159 MAX 3480 MIN 3.2 CFSM .81 IN 10.96
WTR YR 1984 TOTAL 73747.7 MEAN 201 MAX 3020 MIN 3.2 CFSM 1.02 IN 13.93

03272000 TWIN CREEK NEAR GERMANTOWN, OH

LOCATION.--Lat 39°38'10", long 84°23'48", in NW 1/4 sec. 11, T.3 N., R.4 E., Montgomery County, Hydrologic Unit 05080002, on right bank 0.3 mi downstream from Germantown Dam, 1.5 mi northwest of Germantown, and 3 mi upstream from Little Twin Creek.

DRAINAGE AREA.--275 mi² .

PERIOD OF RECORD.--April 1914 to December 1923, December 1926 to current year.

REVISED RECORDS.--WSP 403: 1914(M). WSP 1385: 1915(M).

GAGE.--Water-stage recorder. Datum of gage is 700.24 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 18, 1926, nonrecording gage at site 1 mi downstream at datum 12.49 ft higher.

REMARKS.--Records fair except those for winter period which are fair. Flood flow regulated by Germantown retarding basin, 0.3 mi upstream beginning in 1920.

COOPERATION.--Gage-height tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--66 years (1914-23, 1927-84), 264 ft³/s, 13.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,390 ft³/s July 8. 1915, gage height 11.7 ft, from graph based on gage readings, site and datum then in use; maximum gage height, 29.19 ft Jan. 22, 1959; minimum discharge, 1.5 ft³/s Sept. 25, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913 reached a stage of 18.3 ft, original site and datum, discharge, 66,000 ft³/s, computed by Miami Conservancy District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,450 ft³/s Apr. 5, gage height 24.97 ft; minimum, 7.7 ft³ /s Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	16	297	68	62	150	380	235	126	41	21	16
2	9.4	16	240	70	82	150	317	206	114	40	21	15
3	9.0	17	219	68	1270	140	314	297	104	37	21	18
4	10	22	879	64	583	140	556	386	94	59	27	21
5	12	33	1040	60	258	317	3220	284	87	125	75	29
6	12	29	1020	58	130	613	3000	355	83	235	51	25
7	13	25	772	58	110	443	1190	352	78	152	33	21
8	13	21	437	58	96	362	685	375	72	97	27	19
9	13	19	324	56	86	220	495	342	66	70	25	18
10	12	19	289	56	80	200	361	297	62	57	23	18
11	12	102	605	54	201	180	309	247	58	48	24	18
12	10	151	2100	54	266	160	266	224	54	43	21	18
13	24	90	998	52	515	200	254	192	52	39	20	17
14	29	60	639	52	1150	408	256	177	64	34	20	18
15	19	56	573	50	595	1040	325	156	55	32	19	22
16	15	238	393	47	421	3810	687	142	50	31	18	22
17	12	202	281	44	360	1810	1230	131	48	29	18	20
18	12	121	230	40	302	1030	835	123	45	27	20	18
19	13	91	180	37	299	695	583	116	44	26	24	18
20	24	93	160	34	267	1340	456	113	44	25	22	18
21	148	250	170	32	214	3070	368	768	74	26	19	17
22	68	178	140	30	183	1670	1100	612	51	25	18	16
23	221	822	120	30	162	1140	2510	1010	46	23	19	17
24	164	1630	100	240	152	858	2070	649	86	22	19	20
25	93	628	86	380	292	776	1010	335	158	24	19	29
26	53	355	92	248	350	1480	636	241	92	28	18	28
27	36	268	100	350	306	944	459	181	67	38	17	39
28	28	1600	86	182	275	815	356	168	56	29	17	34
29	23	965	76	100	198	1290	286	194	49	26	17	27
30	19	450	70	82	---	688	280	164	44	23	17	23
31	17	---	66	70	---	479	---	143	---	21	16	---
TOTAL	1152.9	8567	12782	2824	9265	26600	24814	9265	2123	1532	726	639
MEAN	37.2	286	412	91.1	319	858	827	299	70.8	49.4	23.4	21.3
MAX	221	1630	2100	380	1270	3810	3220	1010	158	235	75	39
MIN	9.0	16	66	30	62	140	254	113	44	21	16	15
CFSM	.14	1.04	1.50	.33	1.16	3.12	3.01	1.09	.26	.18	.09	.08
IN.	.16	1.15	1.73	.38	1.25	3.60	3.36	1.25	.29	.21	.10	.09

CAL YR 1983 TOTAL 87621.9 MEAN 240 MAX 4540 MIN 9.0 CFSM .87 IN 11.85
WTR YR 1984 TOTAL 100289.9 MEAN 274 MAX 3810 MIN 9.0 CFSM 1.00 IN 13.57

03272700 SEVENMILE CREEK AT CAMDEN, OH

LOCATION.--Lat 39°37'45", long 84°38'40", Preble County, Hydrologic Unit 05080002, 0.3 mi downstream from Beasley Run on right bank at downstream side of bridge on State Highway 725 in Camden, and at mile 16.2.

DRAINAGE AREA.--69.0 mi² .

PERIOD OF RECORD.--December 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 818.57 ft National Geodetic Vertical Datum of 1929. (Levels by Miami Conservancy District). Prior to Oct. 1, 1975, at same site at datum 3.02 ft higher.

REMARKS.--Records fair except those for the winter period, which are poor. Water-quality data collected at this site 1972 to 1974.

COOPERATION.--Gage-height tapes, and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--13 years (1972-84), 72.1 ft³/s, 14.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,210 ft³/s June 22, 1974, gage height 13.25 ft, present datum from rating curve extended above 2,200 ft³/s; minimum daily, 1.6 ft³/s July 21, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1500 ft³/s and maximums (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 5	1115	1,620	7.78	Apr. 22	1815	* 1,780	* 8.02

Minimum daily discharge, 1.6 ft³/s Oct. 1, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	11	71	16	15	35	109	66	36	14	5.4	2.6
2	1.7	11	62	16	63	33	96	60	33	13	5.5	2.4
3	1.6	13	57	16	265	30	105	99	30	14	5.5	3.6
4	1.6	19	205	16	90	29	199	102	27	37	8.2	6.7
5	4.7	22	165	15	55	70	1110	79	26	112	12	4.0
6	4.5	18	165	15	32	136	479	109	23	64	7.1	3.5
7	3.2	16	126	14	19	98	242	102	22	38	5.5	3.0
8	2.4	14	92	14	16	70	165	109	20	25	4.7	2.8
9	2.1	13	73	14	15	50	134	104	19	20	4.5	2.3
10	1.9	21	67	13	23	46	110	91	17	18	4.3	2.6
11	2.4	85	206	13	50	42	93	88	17	16	4.3	2.9
12	2.6	60	344	13	71	40	84	65	17	14	3.7	2.8
13	31	40	177	12	143	64	85	55	18	12	3.5	2.6
14	15	29	138	12	191	110	85	51	25	10	3.6	4.1
15	9.1	30	121	11	116	274	103	45	17	9.0	3.3	7.8
16	6.5	93	89	10	96	698	170	42	15	8.7	3.1	4.3
17	5.4	61	69	9.4	85	278	238	40	15	8.5	3.0	3.2
18	6.8	46	54	8.6	76	197	199	38	14	7.5	5.3	2.8
19	6.8	40	44	7.8	81	155	147	36	13	7.1	5.1	2.8
20	36	55	40	7.2	69	466	121	36	92	6.7	3.6	2.6
21	76	87	45	7.0	60	530	105	77	142	8.1	3.3	2.5
22	40	59	62	7.4	52	303	454	69	48	7.0	3.5	2.4
23	90	262	34	9.4	49	230	491	163	44	6.0	4.0	3.2
24	48	243	23	103	47	205	356	112	139	5.5	4.0	9.4
25	32	129	21	64	78	194	205	77	60	6.8	3.4	11
26	24	85	25	57	76	232	149	61	34	12	3.0	16
27	20	75	23	64	70	188	120	47	27	18	2.8	10
28	16	315	20	29	67	209	110	53	23	9.2	3.1	6.1
29	14	156	18	20	42	238	107	58	18	7.0	3.5	4.7
30	12	96	17	15	---	153	83	46	16	6.0	3.2	4.2
31	11	---	16	14	---	123	---	40	---	5.5	2.9	---
TOTAL	529.9	2212	2669	642.8	2112	5518	6257	2212	1047	545.6	137.9	138.9
MEAN	17.1	73.7	86.1	20.7	72.8	178	209	71.4	34.9	17.6	4.45	4.63
MAX	90	315	344	103	265	698	1110	163	142	112	12	16
MIN	1.6	11	16	7.0	15	29	83	36	13	5.5	2.8	2.3
CFSM	.25	1.07	1.25	.30	1.06	2.58	3.03	1.04	.51	.26	.06	.07
IN.	.29	1.19	1.44	.35	1.14	2.97	3.37	1.19	.56	.29	.07	.07

CAL YR 1983 TOTAL 22327.1 MEAN 61.2 MAX 1570 MIN 1.6 CFSM .89 IN 12.04
WTR YR 1984 TOTAL 24022.1 MEAN 65.6 MAX 1110 MIN 1.6 CFSM .95 IN 12.95

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03274000 GREAT MIAMI RIVER AT HAMILTON, OH

LOCATION.--Lat 39°23'28", long 84°34'20", in NE 1/4 sec. 6, T.1 N., R.3 E., Butler County, Hydrologic Unit 05080002, on right bank 1,000 ft downstream from Columbia Bridge at Hamilton, 3 mi downstream from Four Mile Creek, 4.3 mi upstream from Pleasant Run, and at mile 34.8.

DRAINAGE AREA.--3,630 mi^2 .

PERIOD OF RECORD.--January 1907 to June 1909 (fragmentary), January 1910 to September 1918, April 1927 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 0.7 mi upstream since 1911 are contained in reports of National Weather Service. Prior to October 1962, published as Miami River at Hamilton.

REVISED RECORDS.--WSP 803: 1936. WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 499.98 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 12, 1927, nonrecording gage at site 0.7 mi upstream at datum 64.65 ft higher.

REMARKS.--Records good. Some regulation at low flow by industrial plants upstream from station. Flood flow regulated by five retarding basins upstream from station beginning in 1920 (see REMARKS for station numbers 03271500 and 03272000). Small diversion about 6 mi upstream from gage for municipal supply of Hamilton. Diversion averaged 0.58 ft^3/s in 1984 and is returned as sewage 1.4 mi downstream from the station. The Miami and Erie Canal diverted water from the basin 1.7 mi upstream from station until Nov. 1, 1930, when the canal was abandoned; amount of diversion not known. Water-quality data collected at this site for water years 1950, 1951, 1973. Water temperature data collected at this site October 1950 to September 1951, October 1957 to September 1976.

COOPERATION.--Gage-height charts, tapes and 7 discharge measurements furnished by Miami Conservancy District.

AVERAGE DISCHARGE.--53 years (1931-84), 3,290 ft^3/s, 12.31 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 352,000 ft^3/s Mar. 26, 1913, gage height, 38.5 ft, site and datum then in use, computed by Miami Conservancy District; maximum discharge since construction of five retarding basins upstream in 1922, 108,000 ft^3/s Jan. 21, 1959, gage height 79.47 ft; minimum daily discharge, 155 ft^3/s Sept 27, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,400 ft^3/s Apr. 5, gage height, 67.28 ft; minimum daily, 407 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	419	847	6400	1760	1710	3140	6130	4810	2790	1200	802	556
2	415	876	5010	1800	1780	2890	5260	4090	2540	1140	798	547
3	407	1150	4410	1920	5330	2860	4930	4630	2310	1270	811	547
4	439	1210	7060	1870	9710	2650	6430	6090	2080	1830	815	957
5	573	1240	8940	1840	7230	4200	21600	4610	1980	3090	975	762
6	819	1420	10200	1880	4680	5890	22500	4770	1930	3250	1070	704
7	659	1220	10500	1920	3100	5500	17400	4530	1790	3620	920	665
8	562	1080	9020	1770	2370	5080	13100	4490	1700	2710	1550	644
9	561	1000	6850	1660	2210	4320	9240	4450	1600	2080	1660	614
10	505	1040	5580	1650	2170	3620	7080	3980	1520	1700	1140	595
11	470	2570	5540	1580	3700	3490	5860	3580	1440	1450	1220	619
12	512	2480	11900	1420	5830	3170	5090	3400	1400	1290	1540	633
13	1880	3280	12800	1450	7370	3520	4810	3180	1330	1180	1310	608
14	1900	2740	9530	1410	12200	4670	4630	3110	1770	1100	1120	657
15	1180	2320	7600	1290	10600	5740	4810	2840	1660	1040	1020	1140
16	1080	2730	6380	1220	7930	16200	6000	2660	1410	990	889	807
17	896	5230	5070	1250	6540	19500	10400	2460	1270	965	828	656
18	932	4820	4160	1210	5590	17600	11600	2350	1220	925	964	631
19	1030	3860	3560	1140	5020	13900	9780	2260	1430	888	914	659
20	1230	3260	2930	1040	4700	12700	8080	2110	1360	870	813	602
21	3620	3290	2980	944	4230	21700	7330	3380	2190	871	770	627
22	1970	3510	3560	894	3720	21000	10200	6820	1660	849	767	569
23	3590	6920	3160	1000	3350	17300	18900	6330	1400	815	839	586
24	4950	10200	2050	3090	3050	12800	21700	7920	2230	807	767	721
25	3680	9020	1460	4670	3610	10400	18300	5970	3520	815	694	1100
26	2570	6430	1690	3400	3620	12800	13900	4530	3040	1120	665	1190
27	1900	4870	2090	4300	3830	13500	9550	3650	2220	1550	637	1140
28	1560	9600	2350	3900	3980	11600	7470	3470	1790	998	705	889
29	1280	11900	2400	3090	3630	12100	6220	4110	1480	861	653	804
30	1030	9120	2140	2390	---	9860	5450	3560	1260	809	626	771
31	909	---	1880	2020	---	7620	---	3210	---	799	607	---
TOTAL	43528	119233	169400	60778	142790	291320	303750	127270	55320	42872	28889	21990
MEAN	1404	3974	5465	1961	4924	9397	10130	4105	1844	1383	932	733
MAX	4950	11900	12800	4670	12200	21700	22500	7920	3520	3620	1660	1190
MIN	407	847	1460	894	1710	2650	4630	2110	1220	799	607	547
CFSM	.39	1.10	1.51	.54	1.36	2.59	2.79	1.13	.51	.38	.26	.20
IN.	.45	1.22	1.74	.62	1.46	2.99	3.11	1.30	.57	.44	.30	.23

CAL YR 1983 TOTAL 1112542 MEAN 3048 MAX 37700 MIN 396 CFSM .84 IN 11.40
WTR YR 1984 TOTAL 1407140 MEAN 3845 MAX 22500 MIN 407 CFSM 1.06 IN 14.42

03274600 GREAT MIAMI RIVER AT NEW BALTIMORE, OH
(National stream-quality accounting network station)

LOCATION.--Lat 39°15'47", long 84°40'04", in N 1/2 sec. 34, R.1, T.2, Hamilton County, Hydrologic Unit 05080002, at Blue Rock Road bridge at New Baltimore, 6.4 mi downstream from Indian Creek, and 14.3 mi downstream from discharge station at Hamilton.

DRAINAGE AREA.--3,814 mi .

PERIOD OF RECORD.--July 1966 to current year.

REMARKS.--Four parameter (Specific conductance, pH, Water temperature, and Dissolved oxygen) water quality monitor at site from July 1966 to September 1981. See records of daily discharge for station at Hamilton (station 03274000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT											
25...	1530	3470	20	1	92	<.5	<1	<1	<3	10	23
DEC											
14...	0930	9740	70	1	66	<.5	<1	<1	<3	8	14
FEB											
22...	1230	3470	--	--	--	--	--	--	--	--	--
MAY											
02...	0900	4350	<10	2	91	<1	<1	1	<3	8	11
JUN											
27...	1300	2160	20	2	92	<1	<1	2	<3	10	12
AUG											
14...	1200	1110	--	--	--	--	--	--	--	--	--

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT											
25...	4	5	2	.2	<10	6	<1	<1	780	<6	15
DEC											
14...	2	<4	2	.2	<10	4	<1	<1	420	<6	98
FEB											
22...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	2	10	6	.1	<10	7	1	<1	710	<6	14
JUN											
27...	3	8	4	.2	<10	6	1	<1	580	<6	19
AUG											
14...	--	--	--	--	--	--	--	--	--	--	--

03274600 GREAT MIAMI RIVER AT NEW BALTIMORE, OH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
25...	1530	3470	605	8.1	12.0	14.0	65	9.4	93	8000
DEC										
14...	0930	9740	520	8.1	4.5	8.0	85	10.2	90	12000
FEB										
22...	1230	3470	675	8.2	5.0	8.0	13	12.2	106	2200
MAY										
02...	0900	4350	680	8.0	7.0	14.5	20	10.0	101	1700
JUN										
27...	1300	2180	620	8.1	25.0	24.0	60	8.5	106	8500
AUG										
14...	1200	1110	740	--	27.0	26.0	1.2	7.9	99	990

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT										
25...	5900	68	24	20	14	.5	4.9	162	71	37
DEC										
14...	18000	61	21	11	9	.3	2.6	152	52	27
FEB										
22...	1000	78	29	21	13	.5	2.7	209	68	43
MAY										
02...	520	78	29	19	12	.5	2.6	212	65	37
JUN										
27...	2800	65	25	22	15	.6	3.7	181	58	40
AUG										
14...	4000	68	29	36	21	.9	4.0	211	78	64

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT										
25...	.30	8.1	391	8.00	.240	.31	1.6	.620	.240	.240
DEC										
14...	.20	7.1	315	1.10	.080	.10	.80	.240	.160	.010
FEB										
22...	.30	5.9	436	6.60	.520	.67	.80	.340	.280	.250
MAY										
02...	.30	4.8	456	5.20	.130	.17	2.3	.290	.210	.190
JUN										
27...	.40	7.2	401	6.80	.220	.28	.80	.360	.320	.290
AUG										
14...	.50	3.7	411	3.50	<.010	--	1.5	.610	.400	.390

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
25...	1530	3470	14.0	140	1310
DEC					
14...	0930	9740	8.0	184	4840
FEB					
22...	1230	3470	8.0	24	225
MAY					
02...	0900	4350	14.5	64	752
JUN					
27...	1300	2180	24.0	88	518
AUG					
14...	1200	1110	26.0	54	162

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharge for crest-stage stations. A crest-stage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation, but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1984

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
		Cross Creek basin					
03110980	Consol Run at Bloomingdale, OH	Lat 40°19'56", long 80°48'44", Jefferson County, Hydrologic Unit 05030101, at culvert on Township Road, 0.8 mi southeast of Bloomingdale.	0.04	1978-84	7-10-84	103.38	16
03113802 (d)	Chestnut Creek near Barnesville, OH	Lat 39°56'50", long 81°09'25", Belmont County, Hydrologic Unit 05030106, at culvert on SR 148, .98 mi east of SR 800, 200 ft upstream from an unnamed tributary to North Fork Captina Creek, and 2.45 mi south of Barnesville.	0.22	1982-84	5-28-84	11.14	17
		Short Creek basin					
03111450	Branson Run at Georgetown, OH	Lat 40°12'26", long 80°55'22", Harrison County, Hydrologic Unit 05030101, at culvert on County Highway 41, 300 ft southwest from intersection with U.S. Highway 250 in Georgetown.	1.31	1978-83 1978-84	5-15-83 6-19-84	94.87 94.74	*40 33
03111455	South Fork Short Creek at Georgetown, OH	Lat 40°12'27", long 80°55'12", Harrison County, Hydrologic Unit 05030101, at bridge on U.S. Highway 250 in Georgetown.	10.9	1978-84	-------	<86.51	<190
03111470	Little Piney Fork at Parlett, OH	Lat 40°18'07", long 80°50'55", Jefferson County, Hydrologic Unit 05030101, at culvert on State Route 151, 0.9 mi east of Parlett.	1.57	1978-84	12-12-83	94.10	32
03111490	Piney Fork tributary near Piney Fork, OH	Lat 40°16'18", long 80°50'48", Jefferson County, Hydrologic Unit 05030101, at culvert on County Road 12, 0.08 mi east of Penn Central Railroad crossing on Smithfield-Adena Road, 1.6 mi northwest of Piney Fork and 3.0 mi west of Smithfield.	0.44	1978-84	-------	<97.37	<15
		Wheeling Creek basin					
03111540	Sloan Run tributary near Harrisville, OH	Lat 40°09'07", long 80°52'59", Belmont County, Hydrologic Unit 05030106, at culvert on unnamed R & F Coal Company private road, 1.7 mi south of Harrisville, and 2.1 mi west of Pleasant Grove.	0.34	1978-84	5-23-84	101.57	18
		Sunfish Creek basin					
03114240	Wood Run near Woodsfield, OH	Lat 39°46'56", long 81°03'21", Monroe County, Hydrologic Unit 05030201, at culvert on State Highway 26, 0.5 mi upstream from Standing Stone Run, and 3.5 mi northeast of Woodsfield.	0.53	1978-84	5-29-84	98.68	134
		Little Muskingum River basin					
03115280	Trail Run near Antioch, OH	Lat 39°37'29", long 81°02'54", Monroe County, Hydrologic Unit 05030201, at private road bridge, adjacent to State Route 800, 2.7 mi southeast of Antioch.	5.45	1978-83 1978-84	7-24-83 12-22-83	94.53 93.15	*680 365
03115410	Graham Run near Bloomfield, OH	Lat 39°32'36", long 81°12'32", Washington County, Hydrologic Unit 05030201, at culvert on State Highway 26, 0.25 mi upstream from mouth, and 1.2 mi southwest of Bloomfield.	0.13	1978-84	--------	<97.10	< 6.1

CREST-STAGE PARTIAL-RECORD STATIONS--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
03115510	Moss Run near Wingett, OH	Lat 39°28'24", long 81°18'52", Washington County, Hydrologic Unit 05030201, at culvert on State Route 26 at Moss Run and 8 mi southwest of Wingett.	1.52	1978-82 1978-83 1978-84	7- 4-82 5-29-83 5-28-84	89.99 90.93 90.20	*157 *337 193
03115596 (d)	Barnes Run at Summerfield, OH	Lat 39°47'18", long 81°21'08", Noble County, Hydrologic Unit 05030201, at culvert on State Route 78, 0.83 mi west of State Route 513 and State Route 146, 1.25 upstream from the discontinued site Barnes Run near Summerfield (03115600) and 0.67 mi southwest of Summerfield.	1.02	1982-84	4-23-84	12.79	74
		Duck Creek basin					
03115710	Buffalo Run tributary near Dexter City, OH	Lat 39°39'41", long 81°26'58", Noble County, Hydrologic Unit 05030201, at culvert on County Road 2, 1.3 mi east of Dexter City.	0.19	1978-84	5-29-84	97.46	69
		Muskingum River basin					
03120580 (d)	Falling Branch at Sherrodsville, OH	Lat 40°30'28", long 81°14'25", Carroll County, Hydrologic Unit 05040001, at culvert on State Route 39, 0.28 mi northeast of State Route 212, 250 ft upstream of Thompson Run, and 0.81 mi north of Sherrodsville.	0.33	1982-84	7- 4-84	12.51	64
03123060 (d)	Cattail Creek at Baltic, OH	Lat 40°27'12", long 81°42'01", Holmes County, Hydrologic Unit 05040001, at culvert on County Road 575, 0.67 mi north of State Route 651, 550 ft upstream of Brush Run, and 0.60 mi north of Baltic.	0.14	1982-84	8- 2-84	11.21	16
03123400 (d)	Dundee Creek at Dundee, OH	Lat 40°35'35", long 81°36'13", Tuscarawas County, Hydrologic Unit 05040001, at culvert on State Highway 93, 0.4 mi upstream from mouth, 0.5 mi northeast of Dundee.	*0.74	1966-84	6-18-84	26.10	258
03125450	Robinson Run near Hendrysburg, OH	Lat 40°05'08", long 81°10'27", Belmont County, Hydrologic Unit 05040001, at culvert on County Road 108, 1.7 mi north of Hendrysburg.	1.97	1978-84	5-29-84	98.52	66
03127950	Clear Fork near Jewett, OH	Lat 40°19'28", long 81°01'20", Harrison County, Hydrologic Unit 05040001, at bridge 150 ft north of County Road 13, 0.5 mi east of State Route 9, and 3.1 mi south of Jewett.	5.45	1978-84	12-12-83	95.40	107
03128650	Mud Run tributary at Wainwright, OH	Lat 40°25'07", long 81°24'57", Tuscarawas County, Hydrologic Unit 05040001, at culvert on Warwick Township Road 461, 0.5 mi west of State Route 416, and 0.7 mi east of Wainwright.	0.55	1978-84	6-19-84	98.80	5.2
03144865 (d)	Slim Creek at Kirkersville, OH	Lat 39°56'51", long 82°36'13", Licking County, Hydrologic Unit 05040006, at culvert on the Interstate 70-U.S. Highway 40 connector, .20 mi west of State Route 158, 1.17 mi upstream of a reservoir feeder to Buckeye Lake, and .85 mi south of Kirkersville.	0.13	1982-84	5-23-84	11.82	20
03148300	Moxahala Creek at Roseville, OH	Lat 39°48'38", long 82°04'13", Muskingum County, Hydrologic Unit 05040004, at pumping station about 2,500 ft downstream from First Street bridge in Roseville.	80.6	1964-84	4-24-84	11.73	2,120

CREST-STAGE PARTIAL-RECORD STATIONS--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
03148395 (d)	Claypit Creek near Roseville, OH	Lat 39°50'28", long 82°04'15", Muskingum County, Hydrologic Unit 05040004, at culvert on State Route 93, 2.90 mi south of U.S. Highway 22, 1.13 mi upstream of Moxahala Creek, and 1.75 mi north of Roseville.	2.25	1982-84	4-22-84	13.38	52
03150602 (d)	Second Creek near Marietta, OH	Lat 39°27'36", long 81°26'24", Washington County, Hydrologic Unit 05040004, at culvert on State Route 821, 1.20 mi northeast of State Route 60, 1.34 mi upstream from the Muskingum River, and 1.28 mi north of Marietta.	1.04	1982-84	10-23-83	12.59	73
		Hocking River basin					
03158102 (d)	Wolfkiln Run at Haydenville, OH	Lat 39°28'35", long 82°18'51", Hocking County, Hydrologic Unit 05030204, at culvert on U.S. Highway 33, 1.54 mi southeast of State Route 595, 500 ft upstream of an unnamed tributary to the Hocking River, and .9 mi southeast of Haydenville.	0.88	1982-84	5-28-84	13.10	67
03158220	Glen Run near Doanville, OH	Lat 39°24'06", long 82°11'44", Athens County, Hydrologic Unit 05030204, at culvert on County Road 4, 0.8 mi west of U.S. Highway 33, and 2.3 mi south of Doanville.	1.09	1978-84	-------	<95.90	<83
03159450	Mill Creek near Chauncey, OH	Lat 39°22'46", long 82°05'04", Athens County, Hydrologic Unit 05030204, at Culvert on U.S. Highway 50, 200 ft above mouth, 4.5 mi north of Athens, and 3.0 mi southeast of Chauncey.	1.48	1978-84	-------	<94.16	<78
03159537 (d)	Elk Run near Alfred, OH	Lat 39°09'41", long 81°57'47", Meigs County, Hydrologic Unit 05030202, at culvert on State Route 681, .94 mi east of Flora, 1.05 mi upstream from Middle Branch Shade River, and 2.37 mi from Alfred.	0.48	1982-84	5-28-84	12.50	62
		Raccoon Creek basin					
03201550	Starr Run near New Plymouth, OH	Lat 39°23'46", long 82°20'49", Hocking County, Hydrologic Unit 05090101, at culvert on State Route 56, 0.8 mi east of State Route 328, and 3.0 mi east of New Plymouth.	0.30	1978-84	4-22-84	98.03	84
		Charlie Creek basin					
03205995 (d)	Sandusky Creek near Burlington, OH	Lat 38°25'03", long 82°30'36", Lawrence County, Hydrologic Unit 05090101, at culvert on U.S. Highway 52, 0.35 mi west of Charley Creek Road,and 1.25 mi northeast of Burlington.	0.73	1978-84	4-22-84	13.74	93
		Scioto River basin					
03219849 (d)	Tombstone Creek near Marysville, OH. (Prior to September 1983 published as Scott Creek nr Marysville, OH).	Lat 40°12'42", long 83°18'15", Union County, Hydrologic Unit 05060001, at culvert on U.S. Highway 33, 1.12 mi upstream of Mill Creek, and 3.0 mi southeast of Marysville.	4.03	1982-84	3-25-84	13.34	124
03223330 (d)	March Run near West Point, OH	Lat 40°37'55", long 82°45'56", Morrow County, Hydrologic Unit 05060001, at culvert on State Route 19, .8 mi upstream of Whetstone creek, .5 mi south of West Point - Bellville Road, and 1.15 mi southeast of West Point.	0.18	1982-84	5-21-84	11.14	9.7

CREST-STAGE PARTIAL-RECORD STATIONS--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
03226860 (c)	Rush Run near Huntley Road at Worthington, OH	Lat 40°05'41", long 82°59'56", Franklin County, Hydrological Unit 05050001, at culvert on G.E. Drive, 50 ft west of Huntley Road at Worthington.	*0.72	1980-84	3-20-84	12.39	44
03226890	Turkey Run at Upper Arlington, OH	Lat 40°02'10", long 83°04'06", Franklin County, Hydrologic Unit 05060001, at culvert on Lytham Road at Upper Arlington.	0.90	1972-84	5-23-84	13.67	86
03228900	Casto Creek at Columbus, Oh	Lat 40°04'54", long 82°55'37", Franklin County, Hydrologic Unit 05060001, at culvert on K-Mart service road east of Westerville Road at Columbus.	1.96	1983-84	5- 3-84	12.36	135
03235080 (d)	Bull Creek near Adelphi, OH	Lat 39°27'11", long 82°46'46", Ross County, Hydrologic Unit 05060002, at culvert on State Route 180, 1.9 mi southwest of Adelphi.	3.13	1978-84	3-21-84	68.83	194
03236090	South Branch Little Salt Creek near Jackson, OH	Lat 39°00'50", long 82°39'01", Jackson County, Hydrologic Unit 05010002, at culvert on State Highway 124, 300 ft east of State Highway 139, and 2.7 mi south of Jackson.	1.28	1978-84	3-21-84	93.07	80
03237095	Devers Run at Lucasville, OH	Lat 38°52'54", long 83°01'13" Scioto County, Hydrologic Unit 05060002, at culvert on State Highway 104, 300 ft north of State Highway 348, and 1.2 mi northwest of Lucasville.	1.22	1978-84	-------	<93.63	<139
03237120 (d)	Stone Branch near Peebles, OH	Lat 38°57'03", long 83°22'29", Adams County, Hydrologic Unit 05060002, at culvert on State Route 32, 700 ft upstreams from Plum Run, 2.72 mi northeast of State Route 41, and 1.10 mi east of Peebles.	0.85	1982-84	8-18-84	13.25	82
03237198 (d)	Duncan Hollow Creek near McDermott, OH	Lat 38°52'29", long 83°03'37", Scioto County, Hydrologic Unit 05060002, at culvert on State Route 348, 2.23 mi west of State Route 104, .78 mi upstream from Duck Run, and 2.75 mi north of McDermott.	0.51	1982-84	10-22-83	12.10	42
03237315 (d)	Elk Fork at Winchester, OH	Lat 38°56'49", long 83°37'21", Adams County, Hydrologic Unit 05090201, at culvert on State Route 32, 3.08 mi west of State Route 247 in Seaman, 1.72 mi upstream from West Fork Ohio Brush Creek, and .82 mi east of Winchester.	6.45	1982-84	7-26-84	16.71	516
03238285 (d)	Sugar Run near New Market, OH	Lat 39°06'30", long 83°40'36", Highland County, Hydrologic Unit 05090201, at culvert on U.S. Highway 62, .55 mi south of State Route 136, 900 ft upstream from an unnamed tributary, .62 mi upstream from East Fork White Oak Creek, and 1.97 mi south of New Market.	1.37	1982-84	5-28-84	15.50	257
		Little Miami River basin					
03241994 (d)	Twist Run at Xenia, OH	Lat 39°39'53", long 83°56'00", Greene County, Hydrologic Unit 05090202, at culvert on State Route 380 (S. Detroit St.), 600 ft south of Ledbetter Road, .60 mi upstream from a tributary to Glady Run, and on the corporate line of Xenia.	0.65	1982-84	5- 3-84	11.53	18

CREST-STAGE PARTIAL-RECORD STATIONS--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
		Great Miami River basin					
03263171 (d)	Harte Run near Greenville, OH	Lat 40°08'41", long 84°36'41", Darke County, Hydrologic Unit 05080001, at culvert on U.S. Highway 127, 1.31 mi north of State Route 121, .45 mi upstream of an unnamed tributary to Boyd Creek, and 3.15 mi north of Greenville.	0.86	1982-84	4-22-84	12.01	34
03267435 (d)	Kitty Creek at Terre Haute, OH	Lat 40°03'09", long 83°52'57", Champaign County, Hydrologic Unit 05080001, at culvert on State Route 55, 1,000 ft upstream from Storms Creek, and .40 mi northwest of Terre Haute.	1.75	1982-84	6-24-84	11.07	14
03272695 (d)	Trippetts Branch at Camden, OH	Lat 39°38'03", long 84°39'08" Preble County, Hydrologic Unit 05080002, at culvert on U.S. Highway 127, 0.3 mi north of State Highway 725 at Camden.	0.33	1978-84	4-22-84	14.15	93

* Revised
c operated as an urban hydrology site where additional data may be available.
d operated as a rural flood volume site where additional data may be available.
e estimate

ASHLAND COUNTY

405303082170700. Local number, AS-2.

LOCATION.--Lat 40°53'03:, long 82°17'07", Hydrologic Unit 05040002, Jerome Fork well field 2 mi northeast of Ashland.
Owner: Ashland Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 64 ft, cased.

DATUM.--Altitude of land-surface datum is 980 ft, from topographic map. Measurng point: Floor of instrument shelter 2.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--March 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 34.22 ft March 17, 1972; minimum daily low, 13.20 ft May 15, 18, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 32.09 ft; Jan. 14-15; minimum daily low, 21.46 ft June 17.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.71	29.71	31.37	31.56	31.52	31.19	23.97	22.80	21.94	22.39	22.62	24.58
2	27.80	29.82	31.37	31.60	31.49	31.17	23.71	22.79	21.84	22.40	22.61	24.69
3	27.80	29.93	31.47	31.66	31.45	31.16	23.61	22.79	21.84	22.44	22.56	24.74
4	27.81	30.07	31.48	31.73	31.41	31.14	23.37	22.93	21.75	22.47	22.52	24.87
5	27.83	30.15	31.57	31.77	31.37	31.11	23.19	23.01	21.74	22.45	22.49	24.97
6	27.86	30.23	31.59	31.85	31.34	31.10	23.13	23.04	21.71	22.44	22.47	25.06
7	27.87	30.39	31.62	31.89	31.29	31.10	23.12	23.06	21.69	22.43	22.42	25.14
8	27.88	30.47	31.60	31.95	31.30	31.16	23.09	23.10	21.71	22.39	22.39	25.22
9	27.89	30.56	31.60	31.96	31.31	31.14	23.03	23.19	21.72	22.31	22.43	25.31
10	27.89	30.69	31.57	32.01	31.33	31.03	23.01	23.23	21.68	22.20	22.53	25.39
11	27.94	30.77	31.54	32.05	31.40	30.96	22.92	23.26	21.65	22.12	22.64	25.49
12	28.00	30.85	31.53	32.06	31.43	30.90	22.88	23.24	21.60	22.09	22.75	25.56
13	28.08	30.90	31.63	32.07	31.44	30.79	22.92	23.21	21.57	22.04	22.84	25.55
14	28.17	30.89	31.67	32.09	31.49	30.75	22.87	23.08	21.53	21.97	22.94	25.73
15	28.25	30.91	31.70	32.09	31.53	30.65	22.84	22.98	21.53	21.97	23.04	25.93
16	28.32	30.92	31.73	32.03	31.54	30.59	22.85	22.92	21.49	21.92	23.13	25.98
17	28.40	30.91	31.76	31.97	31.57	30.20	22.94	22.84	21.46	22.01	23.19	25.95
18	28.48	30.97	31.80	31.91	31.51	29.62	23.07	22.72	21.58	22.15	23.28	26.01
19	28.56	31.04	31.85	31.87	31.37	29.39	23.12	22.58	21.72	22.26	23.42	25.08
20	28.63	31.08	31.85	31.83	31.36	29.15	23.15	22.53	21.77	22.36	23.52	26.19
21	28.71	31.12	31.85	31.79	31.35	28.76	23.09	22.53	21.85	22.47	23.61	26.28
22	28.78	31.15	31.83	31.73	31.33	27.74	22.96	22.46	21.91	22.52	23.70	26.35
23	28.88	31.23	31.78	31.69	31.28	27.02	22.84	22.44	21.97	22.54	23.82	25.43
24	28.98	31.29	31.76	31.72	31.27	26.45	22.85	22.44	22.06	22.54	23.93	25.51
25	29.08	31.31	31.72	31.75	31.27	25.93	22.87	22.38	22.11	22.54	23.99	26.51
26	29.18	31.31	31.71	31.67	31.25	25.46	22.88	22.44	22.16	22.53	24.07	25.59
27	29.25	31.32	31.69	31.71	31.23	25.11	22.86	22.38	22.23	22.60	24.19	26.75
28	29.37	31.35	31.67	31.71	31.22	24.80	22.84	22.22	22.28	22.63	24.29	26.83
29	29.45	31.39	31.61	31.64	31.21	24.51	22.84	22.13	22.35	22.63	24.39	25.91
30	29.53	31.39	31.59	31.61	---	24.35	22.80	22.07	22.39	22.63	24.52	26.98
31	29.64	---	31.53	31.58	---	24.12	---	22.02	---	22.64	24.55	---
MAX	29.64	31.39	31.85	32.09	31.57	31.19	23.97	23.26	22.39	22.64	24.55	26.98

WTR YR 1984 MEAN 26.84 HIGH 21.46 LOW 32.09

ASHLAND COUNTY--Continued

405425082173000. Local number. As-3.
LOCATION.--Lat 40°54'25", long 82°17'30", Hydrologic Unit 05040002, Ashland Bates well field along Jerome Fork near Ashland.
Owner: Ashland Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 78 ft, cased.
DATUM.--Altitude of land-surface datum is 990 ft, from topographic map. Measuring point: Floor of instrument shelter 5.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--August 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 32.05 ft Oct. 22, 1980; minimum daily low, 3.10 ft above land surface Feb. 23, 1978.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 28.22 ft July 16; minimum daily low, 13.05 ft Sept. 30.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.63	23.12	24.78	22.62	27.09	17.67	18.94	19.96	14.68	27.59	24.36	19.19
2	25.49	19.51	24.95	21.40	27.08	19.29	19.35	24.00	14.71	27.77	24.80	13.99
3	26.72	17.74	25.00	20.28	27.04	19.86	19.40	18.48	14.99	23.42	24.85	13.07
4	27.07	16.31	20.14	18.92	26.88	20.07	18.02	17.60	15.07	23.36	24.22	20.20
5	27.33	15.32	18.91	17.92	26.70	20.56	16.86	17.46	22.15	23.37	23.74	18.13
6	27.53	20.02	22.43	16.80	26.65	20.86	16.44	16.98	25.08	22.78	23.40	13.13
7	27.65	22.11	23.00	16.22	26.61	21.07	16.23	15.69	18.80	22.91	23.63	17.18
8	27.67	22.94	23.44	15.38	22.27	21.38	16.10	15.61	21.83	22.42	23.88	16.30
9	23.08	23.37	23.65	14.77	21.18	21.40	15.74	15.49	23.43	27.01	24.03	15.44
10	22.15	23.77	23.89	13.86	20.28	19.67	15.54	15.51	24.11	27.40	27.46	14.71
11	26.00	23.97	23.91	13.32	19.30	18.74	15.36	15.34	24.47	27.67	23.53	15.57
12	22.75	24.12	24.04	19.59	18.40	25.04	15.27	15.16	24.64	27.85	23.12	15.83
13	21.26	24.31	24.24	20.16	19.13	25.49	21.40	14.83	25.85	27.98	22.76	16.04
14	20.46	24.47	24.73	21.76	17.46	25.66	23.30	21.92	26.41	28.09	22.42	16.19
15	20.13	24.63	25.11	22.07	19.95	25.73	23.54	23.10	26.39	28.17	22.12	15.65
16	19.30	24.67	25.45	20.46	21.65	25.95	23.85	23.88	26.40	28.22	21.83	14.57
17	18.56	24.99	25.60	22.99	22.39	20.29	24.25	24.19	26.46	23.47	21.55	13.92
18	18.46	25.78	20.85	23.62	22.65	16.91	24.63	24.38	26.49	22.67	21.08	14.45
19	18.25	25.92	19.71	25.60	22.60	15.94	24.80	24.61	21.94	22.13	20.65	14.94
20	18.04	25.87	20.74	26.55	21.59	22.49	25.34	19.35	22.00	21.65	20.52	15.39
21	17.47	25.89	21.09	27.59	15.37	18.26	25.36	17.04	22.01	21.26	20.34	15.76
22	16.73	25.86	21.66	27.89	20.92	19.99	25.27	20.61	22.11	21.29	20.14	15.75
23	15.98	20.55	21.87	24.13	22.45	20.96	8.98	22.82	22.22	21.67	19.96	14.17
24	21.77	19.41	22.21	24.02	20.99	21.34	19.32	16.34	22.34	22.27	19.89	14.67
25	23.03	18.19	22.27	27.61	16.63	21.38	19.67	23.37	22.18	22.90	19.77	15.19
26	23.66	23.42	25.64	27.69	14.93	20.16	19.90	17.33	22.34	23.41	19.64	15.67
27	24.02	23.87	26.90	27.66	17.45	21.39	20.16	16.39	22.53	23.50	19.49	15.76
28	24.35	19.13	27.51	27.60	14.62	17.89	20.45	15.81	22.63	23.25	19.36	14.97
29	20.01	23.15	27.63	27.54	15.03	18.56	20.48	14.50	22.80	23.47	19.30	13.84
30	17.93	24.22	26.48	27.02	---	18.73	19.43	14.56	26.70	23.59	19.15	13.05
31	16.82	---	26.62	27.05	---	18.44	---	14.61	---	23.89	21.33	---
MAX	27.67	25.92	27.63	27.89	27.09	25.95	25.36	24.61	26.70	28.22	27.46	20.20

WTR YR 1984 MEAN 21.34 HIGH 13.05 LOW 28.22

ATHENS COUNTY

392004082071600. Local number, AT-2A.

LOCATION.--Lat 39°20'04", long 82°07'16", Hydrologic Unit 05030204, 1.1 mi west of city hall in Athens. Owner: City of Athens.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Unused drilled water-table well, diameter 12 in, depth 35.5 ft, cased.

DATUM.--Altitude of land-surface datum is 641.81 ft. Measuring point: Floor of instrument shelter, 5.80 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water. Prior to water year 1978, well depth reported as 43 ft.

PERIOD OF RECORD.--March 1934 to September 1962 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 20.25 ft Sept. 29, 1982; minimum daily low, 1.05 ft May 25, 28, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 25, 1983	19.32	Apr. 23, 1984	15.87

ATHENS COUNTY--Continued

392009082072200. Local number, AT-5
LOCATION.--Lat 39°20'09", long 82°07'22", Hydrologic Unit 05030204, in Athens well field along Hocking River.
Owner: Athens Water Department.
AQUIFER.--Sand and gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 48 ft, cased.
DATUM.--Altitude of land surface datum is 640 ft, from topographic map. Measuring point: floor of instrument shelter, 4.75 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--July 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 21.45 ft July 25, 1982; Minimum daily low 12.07 ft May 5, 1983.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 20.08 ft Oct. 11, 15; minimum daily low, 14.42 ft Apr. 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.82	18.91	17.32	17.40	18.78	17.66	15.02	15.82	16.53	18.63	19.37	19.56
2	19.80	18.91	17.42	17.42	18.73	17.61	15.37	16.01	16.71	18.92	19.36	19.57
3	19.76	18.95	17.45	17.51	18.63	17.72	15.46	16.04	16.98	18.81	19.35	19.60
4	19.80	18.95	17.35	17.57	18.53	17.76	15.29	15.99	17.05	18.73	19.36	19.64
5	19.79	18.82	16.78	17.63	18.42	17.76	14.83	16.01	17.11	18.75	19.36	19.68
6	19.74	18.93	16.48	17.80	18.49	17.54	14.42	16.05	17.21	18.83	19.44	19.71
7	19.67	18.94	16.48	17.91	18.65	17.14	14.74	16.05	17.34	18.95	19.46	19.73
8	19.79	19.11	16.47	17.98	18.73	17.16	14.76	16.13	17.54	18.84	19.35	19.71
9	19.92	19.14	16.44	18.04	18.69	17.27	15.09	16.21	17.70	18.87	19.35	19.67
10	19.99	19.14	16.58	18.16	18.68	17.37	15.17	16.40	17.79	18.90	19.39	19.70
11	20.08	19.01	16.57	18.23	18.71	17.47	15.32	16.46	17.95	18.96	19.42	19.75
12	20.05	18.49	16.55	18.34	18.69	17.59	15.52	16.45	17.99	18.98	19.42	19.77
13	20.03	18.28	16.29	18.39	18.54	17.77	15.84	16.49	18.04	18.84	19.46	19.80
14	19.98	18.28	16.34	18.43	18.46	17.92	15.86	16.60	18.10	18.97	19.51	19.93
15	20.08	18.24	16.62	18.50	17.79	17.92	15.92	16.71	18.20	18.91	19.55	19.93
16	20.05	18.27	16.78	18.49	17.54	17.79	16.05	16.83	18.26	18.91	19.57	19.83
17	19.94	18.14	16.84	18.62	17.51	17.61	16.32	16.92	18.32	18.87	19.60	19.78
18	19.91	17.98	16.82	18.60	17.54	17.60	16.29	16.93	18.46	18.81	19.62	19.83
19	19.86	17.90	16.84	18.64	17.55	17.71	16.12	17.02	18.50	18.92	19.60	19.85
20	19.81	17.98	17.01	18.74	17.55	17.65	16.34	17.11	18.61	18.93	19.57	19.87
21	19.74	18.18	17.10	18.90	17.63	17.58	16.31	17.21	18.68	18.95	19.54	19.88
22	19.58	18.27	17.11	19.08	17.79	16.76	16.28	17.32	18.72	18.95	19.54	19.90
23	19.23	18.27	16.97	19.21	17.86	16.05	15.64	17.36	18.72	18.94	19.54	19.92
24	18.46	18.25	17.12	19.24	17.86	16.11	14.86	17.09	18.71	18.98	19.45	19.94
25	18.43	18.15	17.24	19.04	17.91	16.21	14.88	17.26	18.59	19.04	19.37	19.94
26	18.29	18.12	17.24	18.50	17.86	16.21	14.96	17.45	18.72	19.08	19.36	19.95
27	18.30	18.29	17.26	18.52	17.83	15.96	15.28	17.41	18.80	19.08	19.37	19.95
28	18.52	18.28	17.26	18.60	17.85	16.01	15.41	17.52	18.82	19.09	19.46	19.92
29	18.66	17.59	17.27	18.73	17.78	15.68	15.33	17.33	18.82	19.15	19.49	19.92
30	18.66	17.26	17.20	18.75	---	14.92	15.68	16.36	18.84	19.20	19.55	19.86
31	18.77	---	17.34	18.81	---	14.79	---	16.38	---	19.27	19.56	---
MAX	20.08	19.14	17.45	19.24	18.78	17.92	16.34	17.52	18.84	19.27	19.62	19.95

WTR YR 1984 MEAN 18.07 HIGH 14.42 LOW 20.08

AUGLAIZE COUNTY

403233083574500. Local number, AU-3.
LOCATION.--Lat 40°32'33", long 83°57'45", Hydrologic Unit 05080001, 1.0 mi southwest of New Hampshire.
Owner: State of Ohio.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth 380 ft, cased to 52 ft.
DATUM.--Altitude of land-surface datum is 1,020 ft, from topographic map. Measuring point: Floor of instrument shelter, 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--December 1974 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 11.87 ft Feb. 7-8, 1977; minimum daily low, 5.18 ft, Apr. 14, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 25, 1983	9.03	Apr. 19, 1984	5.33

BELMONT COUNTY

400118081082200. Local number, B-3.

LOCATION.--Lat 40°01'18", long 81°08'22", Hydrologic Unit 05040001, Mt. Olivett Public Square, Mt. Olivett, OH. Owner: Village of Mt. Olivett.

AQUIFER.--Shale of Pennsylvanian Age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 119 ft.

DATUM.--Altitude of land-surface datum is 1265 ft, from topographic map. Measuring point: Floor of instrument shelter, 1.5 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 19, 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 59.92 ft Sept. 17, 1984; minimum daily low, 56.61 ft July 19-20, 1984.

EXTREMES FOR CURRENT YEAR--Maximum daily low, 59.92 ft Sept. 17; minimum daily low, 56.61 ft July 19-20.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	57.39	59.44
2										---	57.48	59.46
3										---	57.54	59.50
4										---	57.62	---
5										---	57.69	---
6										---	57.76	---
7										---	57.82	---
8										---	57.88	---
9										---	57.95	---
10										---	58.03	---
11										---	58.13	---
12										---	58.22	---
13										---	58.32	---
14										---	58.39	59.76
15										---	58.48	59.81
16										---	58.56	59.86
17										---	58.63	59.92
18										---	58.70	---
19										56.61	58.78	---
20										56.61	58.88	---
21										56.62	58.98	---
22										56.68	59.03	---
23										56.71	59.08	---
24										56.78	59.11	---
25										56.85	59.16	---
26										56.89	59.21	---
27										56.96	59.24	---
28										57.03	59.29	---
29										57.13	59.33	---
30										57.23	59.37	---
31										57.32	59.41	---
MAX										57.32	59.41	59.92

WTR YR 1984 MEAN 58.25 HIGH 56.61 LOW 59.92

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BUTLER COUNTY

391805084261800. Local number, BU-9.
LOCATION.--Lat 39°18'05", long 84°26'18", Hydrologic Unit 05090203, 2.5 mi northwest of Sharonville.
Owner: Olinkraft, Inc.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in depth 85 ft.
DATUM.--Altitude of land-surface datum is 586.89 ft. Measuring point: Floor of instrument shelter, 4.66 ft above land surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water. Prior to water year 1978, well diameter reported as 26 in.
PERIOD OF RECORD.--July 1938 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 24.40 ft Mar. 16, 1954; minimum daily low, 4.40 ft Aug. 3, 1958.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL
May 1, 1984	10.74

393202084241500. Local number, BU-15.

LOCATION.--Lat 39°32'02", long 84°24'15", Hydrologic Unit 05080002, at Hook Field (municipal airport) at Middletown.
Owner: City of Middletown.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 23 ft cased.

DATUM.--Altitude of land-surface datum is 641 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water. Water level affected by pumping wells nearby in Middletown well field.

PERIOD OF RECORD.--June 1972 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 14.60 ft Jan. 26, 1981; minimum daily low, 0.06 ft Feb. 25, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 29, 1983	11.47	June 1, 1984	9.44

BUTLER COUNTY--Continued

391904084371800. Local number, BU-12.

LOCATION.--Lat 39°19'04", long 84°37'18", Hydrologic Unit 05080002. Cincinnati well field 1.5 mi east of Ross. Owner: City of Cincinnati.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 157 ft, cased.

DATUM.--Altitude of land-surface datum is 547.73 ft. Measuring point: Floor of instrument shelter 7.80 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 22.85 ft Oct. 10, 1982; Mimimum daily low, 2.00 ft above land surface, May 24, 25, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 20.85 ft Oct. 3-5; minimum daily low, 10.50 ft Apr. 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.75	18.95	16.95	19.70	17.55	17.00	14.65	15.50	16.25	17.60	18.60	18.70
2	20.80	19.30	17.60	19.75	17.90	17.20	15.10	15.80	16.40	17.90	18.75	18.75
3	20.85	19.35	17.90	19.75	17.90	17.45	15.35	15.90	16.55	18.00	18.80	18.75
4	20.85	19.40	17.90	19.65	17.05	17.45	15.35	15.35	17.25	18.00	18.85	18.70
5	20.85	19.45	17.45	19.55	16.20	17.45	14.50	15.70	17.45	17.55	18.85	18.80
6	20.40	19.45	17.00	19.25	16.55	16.50	10.50	15.75	17.65	17.20	18.85	18.90
7	20.15	19.45	16.20	19.50	17.05	16.25	11.25	15.85	17.75	16.90	18.90	18.95
8	20.10	19.05	16.05	19.45	17.35	16.25	12.50	15.85	17.55	16.85	18.90	18.95
9	20.15	19.00	16.60	19.40	17.00	16.15	13.50	15.85	17.55	16.90	18.50	18.95
10	20.55	19.05	17.35	19.35	17.75	16.15	14.30	16.20	17.90	17.10	18.50	18.95
11	20.75	19.00	17.65	19.40	17.75	16.25	14.85	16.35	17.95	17.30	18.50	19.20
12	20.80	18.55	17.60	19.70	17.40	16.45	14.95	16.45	17.85	17.65	18.40	19.25
13	20.75	18.30	15.80	19.85	16.80	16.55	14.90	16.65	17.75	17.80	18.30	19.10
14	19.65	18.40	15.50	19.65	15.70	16.45	15.00	16.05	17.95	17.95	18.10	19.00
15	19.40	18.60	16.00	19.60	14.35	16.20	15.05	16.60	18.10	18.00	18.15	18.85
16	19.40	18.60	16.40	19.60	15.05	15.75	15.40	16.70	18.15	18.05	18.50	18.50
17	19.55	18.10	16.85	19.10	15.65	13.05	15.15	16.85	18.25	17.90	18.55	18.50
18	19.50	17.35	17.20	18.65	15.95	12.05	14.25	16.85	18.25	18.20	18.55	18.55
19	19.10	17.10	17.55	18.50	16.15	12.55	13.85	16.80	18.15	18.20	18.55	18.90
20	19.00	16.90	17.90	18.55	16.30	12.90	14.10	16.95	18.20	18.00	18.75	19.25
21	18.65	16.55	18.10	18.65	16.35	11.50	14.25	17.10	17.85	18.10	18.95	19.15
22	18.25	16.50	18.30	18.70	16.45	10.60	13.95	16.60	17.80	18.10	19.15	19.00
23	18.15	16.50	18.60	18.70	16.65	11.40	12.30	16.05	17.80	18.45	19.15	18.95
24	17.75	15.35	19.00	18.60	16.75	12.45	10.75	15.90	17.75	18.65	18.75	18.90
25	17.60	14.80	19.35	17.90	16.75	13.00	11.30	15.85	17.40	18.70	18.60	18.90
26	17.75	15.45	19.45	17.50	16.70	13.05	12.10	16.10	16.90	18.65	18.55	18.70
27	17.90	15.90	19.45	17.35	16.70	12.80	13.05	16.40	17.00	18.05	18.85	18.75
28	18.05	15.90	19.45	17.10	16.50	13.05	13.70	16.50	17.15	18.00	18.95	18.85
29	18.25	15.15	19.45	17.25	16.60	13.10	14.45	16.45	17.35	18.10	18.95	18.95
30	18.40	15.25	19.50	17.40	---	13.65	15.15	16.05	17.50	18.40	18.90	19.05
31	18.50	---	19.60	17.50	---	14.20	---	16.15	---	18.50	18.70	---
MAX	20.85	19.45	19.60	19.85	17.90	17.45	15.40	17.10	18.25	18.70	19.15	19.25

WTR YR 1984 MEAN 17.36 HIGH 10.50 LOW 20.85

BUTLER COUNTY--Continued

392017084345200. Local number, BU-7.

LOCATION.--Lat 39°20'17", long 84°34'52", Hydrologic Unit 05080002, 5584 East River Road in Fairfield.
Owner: C. E. Schiering.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diamter 6 in, depth 176 ft, cased.

DATUM.--Altitude of land-surface datum is 572.54 ft, measuring point: Floor of instrument shelter 1.93 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 31.17 ft Jan. 13, 1977; minimum daily low, 11.45 ft June 6, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 30.59 ft Oct. 12; minimum daily low, 22.31 ft Apr 27.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.52	29.60	28.46	27.45	27.99	27.13	24.91	22.49	23.55	27.10	27.67	29.61
2	30.53	29.61	28.29	27.47	27.99	27.14	24.91	22.51	23.66	27.19	27.71	29.68
3	30.56	29.61	28.28	27.47	27.98	27.15	24.90	22.51	23.78	27.23	27.72	29.76
4	30.58	29.56	28.26	27.48	27.93	27.15	24.89	22.54	23.89	27.27	27.74	29.78
5	30.57	29.53	28.23	27.49	27.84	27.13	24.86	22.58	24.00	27.29	27.75	29.77
6	30.58	29.54	28.14	27.50	27.78	27.09	24.59	22.62	24.02	27.17	27.77	29.79
7	30.56	29.44	28.04	27.54	27.80	27.04	24.28	22.63	24.10	27.12	27.84	29.77
8	30.56	29.37	27.95	27.56	27.80	27.03	24.04	22.66	24.22	27.11	27.96	29.78
9	30.56	29.33	27.86	27.59	27.82	27.03	23.86	22.68	24.33	27.10	28.01	29.72
10	30.54	29.29	27.76	27.61	27.83	27.00	23.75	22.72	24.44	27.13	27.99	29.52
11	30.57	29.27	27.74	27.63	27.84	27.02	23.71	22.75	24.53	27.17	28.11	29.50
12	30.59	29.26	27.70	27.67	27.84	27.02	23.71	22.82	24.68	27.24	28.10	29.66
13	30.55	29.23	27.61	27.69	27.80	27.01	23.65	22.87	24.85	27.32	28.16	29.78
14	30.50	29.18	27.46	27.72	27.74	27.00	23.49	22.94	---	27.41	28.41	29.79
15	30.36	29.12	27.36	27.76	27.64	26.91	23.36	23.00	---	27.47	28.53	29.95
16	30.34	29.08	27.33	27.78	27.48	26.74	23.28	23.06	---	27.53	28.69	29.68
17	30.34	29.05	27.31	27.80	27.41	26.60	23.21	23.11	---	27.59	28.78	29.56
18	30.34	29.01	27.30	27.84	27.37	26.34	23.14	23.15	---	27.59	28.79	29.63
19	30.33	28.99	27.27	27.88	27.31	26.19	23.07	23.18	---	27.73	28.73	29.73
20	30.30	29.05	27.27	27.92	27.25	26.05	23.01	23.23	---	27.83	28.75	29.97
21	30.29	29.11	27.27	27.97	27.17	25.91	22.99	23.30	---	27.82	28.78	30.13
22	30.18	29.14	27.26	28.01	27.14	25.73	22.97	23.33	---	27.99	28.84	30.24
23	30.07	29.15	27.23	28.05	27.14	25.56	22.84	23.34	---	27.98	28.77	30.34
24	29.96	29.12	27.26	28.08	27.13	25.44	22.64	23.34	---	28.08	28.86	30.38
25	29.84	28.99	27.26	28.09	27.14	25.33	22.50	23.32	---	28.17	29.00	30.37
26	29.73	28.91	27.30	28.06	27.14	25.28	22.38	23.30	---	28.17	29.15	30.07
27	29.65	28.84	27.33	28.00	27.14	25.19	22.31	23.36	---	27.90	29.27	29.91
28	29.60	28.76	27.34	27.98	27.12	25.07	22.35	23.38	26.80	27.73	29.33	29.80
29	29.56	28.69	27.42	27.95	27.12	24.98	22.36	23.41	26.92	27.67	29.40	29.92
30	29.53	28.58	27.44	27.94	---	24.93	22.45	23.43	26.99	27.62	29.44	29.98
31	29.59	---	27.44	27.98	---	24.91	---	23.47	---	27.58	29.51	---
MAX	30.59	29.61	28.46	28.09	27.99	27.15	24.91	23.47	26.99	28.17	29.51	30.38

WTR YR 1984 MEAN 27.24 HIGH 22.31 LOW 30.59

BUTLER COUNTY--Continued

392021084340300. Local number, BU-56.

LOCATION.--Lat 39°20'21", long 84°34'03", Hydrologic Unit 05080002, 1.3 mi east of the Great Miami River in Fairfield.

Owner: Hamilton Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 5 in, depth 58 ft, cased.

DATUM.--Altitude of land-surface datum is 583.62 ft. (Levels by Miami Conservancy District.)

Measuring point: Floor of instrument shelter, 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 39.11 ft Feb. 25-26, 1977; minimum daily low, 26.81 ft Apr. 10, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 36.96 ft Sept. 24; minimum daily low, 28.49 ft May 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.87	34.86	34.28	33.14	33.48	---	30.94	29.10	29.38	32.60	33.98	35.85
2	35.91	34.84	34.24	33.13	33.48	32.78	30.88	29.12	29.46	32.70	34.03	35.93
3	35.94	34.84	34.16	33.11	33.44	32.74	30.79	28.77	29.66	32.73	33.99	36.00
4	35.98	34.83	34.07	33.11	33.42	32.74	30.70	28.60	29.80	32.76	33.99	36.04
5	35.98	34.78	34.01	33.09	33.44	32.72	30.58	28.56	29.96	32.62	33.95	35.87
6	35.94	34.75	33.94	33.12	33.45	32.72	30.43	28.49	29.97	32.42	34.04	35.85
7	35.88	34.75	33.88	33.12	---	32.72	30.29	28.74	29.94	32.40	34.18	35.91
8	35.85	34.81	33.82	33.15	---	32.72	30.15	28.96	30.13	32.33	34.24	36.05
9	35.85	34.84	33.78	33.15	---	32.63	29.99	29.08	30.27	32.42	34.34	36.15
10	35.87	34.84	33.73	33.13	---	32.59	29.87	29.17	30.41	32.58	34.40	36.23
11	35.91	34.88	33.64	33.16	---	32.57	29.71	29.22	30.53	32.64	34.42	36.29
12	35.91	34.88	33.56	33.16	---	32.57	29.56	29.27	30.66	32.72	34.51	36.35
13	35.90	34.88	33.51	33.19	---	32.52	29.75	29.08	30.81	32.86	34.56	36.36
14	35.84	34.89	33.43	33.21	---	32.51	29.72	28.91	30.81	32.92	34.62	36.43
15	35.75	34.90	33.37	33.21	---	32.44	29.47	28.83	30.77	32.99	34.70	36.41
16	35.66	34.90	33.33	33.22	---	32.38	29.35	28.96	31.00	33.05	34.78	36.49
17	35.64	34.90	33.29	33.26	---	32.34	29.29	28.88	31.18	33.01	34.86	36.54
18	35.64	34.86	33.24	33.26	---	32.27	29.25	29.00	31.37	33.14	34.94	36.59
19	35.63	34.82	33.19	33.29	---	32.18	29.20	29.21	31.46	33.25	34.94	36.66
20	35.61	34.78	33.15	33.34	---	32.07	29.16	29.24	31.63	33.37	34.97	36.72
21	35.55	34.76	33.10	---	---	31.99	29.13	29.26	31.59	33.44	35.07	36.78
22	35.46	34.74	33.01	---	---	31.90	29.04	29.34	31.62	33.54	35.11	36.86
23	35.36	34.71	33.01	---	---	31.86	28.93	29.40	31.61	33.66	35.12	36.91
24	35.27	34.67	32.96	---	---	31.74	28.89	29.26	31.49	33.76	35.21	36.96
25	35.22	34.64	32.95	---	---	31.59	28.99	29.34	31.56	33.86	35.21	36.88
26	35.15	34.58	32.97	---	---	31.51	28.91	29.41	31.64	33.73	35.28	36.55
27	35.09	34.51	33.02	---	---	31.39	28.77	29.36	31.75	33.76	35.39	36.33
28	35.02	34.43	33.12	---	---	31.26	28.73	29.16	32.07	33.76	35.49	36.35
29	34.99	34.40	33.16	---	---	31.17	28.69	29.26	32.29	33.74	35.59	36.54
30	34.94	34.33	33.16	---	---	31.09	29.03	29.21	32.55	33.76	35.69	36.55
31	34.90	---	33.16	33.52	---	31.03	---	29.26	---	33.85	35.77	---
MAX	35.98	34.90	34.28	33.52	33.48	32.78	30.94	29.41	32.55	33.86	35.77	36.96

WTR YR 1984 MEAN 33.01 HIGH 28.49 LOW 36.96

392048084311400. Local number, BU-8.

LOCATION.--Lat 39°20'48", long 84°31'14", Hydrologic Unit 05080002, Symmes and Gilmore Road, east of Hamilton. Owner: Hamilton Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 6 in, depth 200 ft, cased.

DATUM.--Altitude of land-surface datum is 630 ft, from topographic map. Measuring point: Floor of instrument shelter 4.13 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 71.70 ft Oct. 24, 1944; minimum daily low, 38.24 ft June 8, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 56.17 ft Oct. 21-22; minimum daily low, 44.63 ft May 11.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55.19	55.81	55.30	53.80	53.99	52.43	49.03	44.96	45.08	46.68	48.35	50.95
2	55.22	55.81	55.29	53.72	53.99	52.45	48.83	44.98	45.07	46.82	48.49	50.99
3	55.23	55.83	55.01	53.66	53.89	52.45	48.63	44.96	45.06	46.94	48.57	51.02
4	55.26	55.85	54.63	53.60	53.83	52.45	48.45	44.77	45.11	47.01	48.63	51.15
5	55.33	55.86	54.64	53.51	53.77	52.12	48.17	44.85	45.17	47.02	48.70	51.32
6	55.48	55.86	54.60	53.54	53.76	52.07	47.92	44.86	45.26	46.83	48.78	51.44
7	55.56	55.87	54.57	53.68	53.85	52.08	47.64	44.77	45.33	46.53	48.83	51.49
8	55.59	55.89	54.57	53.73	53.88	52.05	47.35	44.76	45.38	46.51	48.88	51.53
9	55.65	55.90	54.56	53.76	53.87	51.86	46.91	44.70	45.43	46.41	48.94	51.54
10	55.69	55.88	54.50	53.82	53.76	51.86	46.72	44.72	45.47	46.28	48.99	51.58
11	55.71	55.80	54.38	53.92	53.63	51.64	46.63	44.63	45.57	46.23	49.01	51.68
12	55.72	55.89	53.95	53.96	53.64	51.64	46.54	44.67	45.62	46.27	49.02	51.78
13	55.75	55.90	53.96	53.99	53.51	51.58	46.37	44.68	45.68	46.33	49.07	51.83
14	55.91	55.90	53.65	54.05	53.48	51.56	46.28	44.68	45.78	46.41	49.18	51.87
15	56.00	55.88	53.58	54.06	53.48	51.56	46.22	44.75	45.88	46.43	49.32	52.02
16	56.03	55.89	53.75	53.90	53.44	51.25	46.12	44.82	45.92	46.47	49.44	52.16
17	56.05	55.94	53.8[illegible]	54.03	53.16	51.26	46.10	44.87	45.93	46.51	49.51	52.27
18	56.09	55.95	53.80	54.09	53.13	51.00	46.16	44.88	45.97	46.67	49.56	52.31
19	56.14	55.95	53.73	54.17	52.86	50.85	46.23	44.86	46.06	46.81	49.64	52.38
20	56.16	55.85	53.67	54.29	52.82	50.47	46.25	44.81	46.12	46.95	49.79	52.39
21	56.17	55.81	53.61	54.33	52.82	50.28	46.23	44.88	46.18	47.06	49.94	52.43
22	56.17	55.82	53.44	54.34	52.79	50.16	46.12	44.96	46.21	47.20	50.10	52.52
23	55.97	55.83	53.46	54.32	52.74	50.21	45.53	45.09	46.22	47.43	50.21	52.59
24	55.80	55.80	53.48	54.08	52.63	50.21	45.28	45.13	46.26	47.57	50.30	52.66
25	55.81	55.80	53.49	54.14	52.64	49.75	45.26	45.12	46.33	47.72	50.35	52.68
26	55.81	55.76	53.49	54.16	52.68	49.54	45.19	45.07	46.38	47.77	50.40	52.73
27	55.74	55.68	53.46	54.10	52.63	49.48	45.13	45.12	46.43	47.84	50.51	52.73
28	55.75	55.24	53.34	54.08	52.25	49.22	45.04	45.12	46.46	47.98	50.58	52.72
29	55.78	55.25	53.62	53.83	52.40	49.01	45.05	45.11	46.53	48.07	50.63	52.59
30	55.81	55.28	53.79	53.92	---	49.08	44.89	45.12	46.59	48.15	50.73	52.69
31	55.81	---	53.81	53.99	---	49.10	---	45.11	---	48.25	50.87	---
MAX	56.17	55.95	55.30	54.34	53.99	52.45	49.03	45.13	46.59	48.25	50.87	52.73

WTR YR 1984 MEAN 50.79 HIGH 44.63 LOW 56.17

392445084333000. Local number BU-36.
LOCATION.--Lat 39°24'45", long 84°33'30", Hydrologic Unit 05080002, on right bank of Great Miami River 300 ft downstream from Twomile Creek in Hamilton.
Owner: Champion Paper Company.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL HARACTERISTICS.--Drilled industrial supply water-table well, diameter 30 in. depth 168 ft cased.
PERIOD OF RECORD.--December 1965 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT										
26...	1100	885	7.2	5.5	15.0	10	410	81	110	33
FEB										
22...	1500	860	7.5	15.0	15.0	<10	450	120	120	36
JUN										
28...	1030	900	7.3	25.0	25.5	<10	410	83	120	27
AUG										
15...	0900	875	7.2	16.0	15.0	14	410	85	110	33

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT										
26...	330	100	48	.2	536	567	<.010	1.70	1	20
FEB										
22...	328	100	52	.6	520	528	<.010	1.40	--	--
JUN										
28...	328	98	49	.2	570	599	<.010	1.40	--	--
AUG										
15...	326	110	51	--	597	598	<.010	1.60	1	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
26...	10	6	6	80	3	3	10	20	7	1.1
FEB										
22...	--	--	--	100	--	--	10	--	--	1.3
JUN										
28...	--	--	--	130	--	--	10	--	--	1.0
AUG										
15...	10	3	3	100	5	3	<10	10	9	.90

BUTLER COUNTY--Continued

392515084322000. Local number, BU-5.

LOCATION.--Lat 39°25'15", long 84°32'22", Hydrologic Unit 05080002, 2.0 mi north of courthouse in Hamilton.
Owner: Hamilton Water Department

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 110 ft cased.

DATUM.--Altitude of land-surface datum is 590 ft, from topographic map. Measuring point: Floor of instrument shelter 5.71 ft above land surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water. Water level affected by pumping of nearby North Hamilton well field and by stage of the Great Miami River.

PERIOD OF RECORD.--July 1939 to Current year

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 42.05 ft Sept. 16-17, 1954; minimum daily low, 4.10 ft Jan. 23, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 25.03 ft Oct. 5; minimum daily low, 13.55 ft Apr. 25.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.21	19.14	21.99	17.63	18.06	17.34	15.12	13.87	14.45	21.77	17.18	18.33
2	19.15	19.10	18.25	21.61	18.09	17.33	15.18	19.42	14.49	16.94	17.24	19.27
3	22.83	23.12	18.20	17.85	18.10	17.33	15.19	14.24	14.57	21.36	17.28	19.24
4	24.92	19.42	18.16	17.65	17.94	17.32	15.92	13.90	14.73	16.81	17.28	19.28
5	25.03	19.19	18.06	17.66	17.82	21.43	15.07	13.94	14.85	16.58	17.26	19.26
6	23.73	19.12	17.89	17.73	22.78	17.58	17.43	13.86	21.21	16.47	17.33	23.13
7	23.83	19.12	17.80	17.77	18.19	17.33	14.07	13.86	21.56	16.36	17.40	19.52
8	19.92	19.16	17.69	17.78	18.13	17.22	13.93	13.87	15.67	16.27	17.44	19.41
9	19.57	22.86	17.58	22.56	18.14	17.19	13.94	18.42	15.76	16.33	21.41	19.36
10	19.49	19.25	17.64	18.06	17.87	17.14	14.01	14.12	21.81	16.38	17.72	19.35
11	19.48	19.13	17.68	18.00	17.84	17.15	18.15	14.03	22.01	16.54	17.65	19.36
12	24.25	19.06	17.51	18.04	17.77	21.18	14.36	14.08	22.38	16.60	17.64	19.40
13	19.71	18.99	17.44	17.99	17.62	17.40	14.37	14.10	20.81	16.66	17.62	19.34
14	19.40	18.91	17.11	17.95	17.48	22.95	14.41	14.14	22.62	16.68	17.63	19.41
15	19.33	18.90	22.00	17.94	21.24	23.14	14.47	14.18	16.52	16.71	17.67	19.39
16	19.33	18.97	17.43	23.21	17.42	17.66	14.51	14.21	16.32	16.76	17.72	18.39
17	23.42	18.92	17.42	18.27	17.19	16.88	14.47	14.21	16.21	20.78	23.97	19.42
18	19.67	24.41	17.34	18.12	17.12	16.35	18.38	14.25	22.44	17.03	18.39	19.40
19	19.51	19.15	17.39	18.09	17.09	20.40	14.43	14.24	16.99	17.00	17.93	19.42
20	19.60	18.89	17.46	18.40	21.19	16.06	14.42	14.30	16.42	17.10	17.93	19.43
21	19.31	18.93	17.48	18.11	17.39	15.74	14.45	14.33	20.36	16.95	17.92	19.49
22	19.15	18.93	22.02	18.10	17.24	15.32	14.39	14.23	16.50	16.95	17.90	19.58
23	19.06	18.87	17.83	22.62	17.25	15.07	14.16	14.20	16.35	16.98	21.79	19.50
24	18.97	18.62	17.77	18.42	17.22	14.96	13.82	18.13	16.34	23.79	18.16	21.54
25	18.90	18.41	17.63	18.11	17.33	14.94	13.55	14.30	16.25	17.90	18.17	19.55
26	18.87	18.35	17.87	18.00	17.24	14.92	17.61	14.28	16.21	17.39	18.14	24.80
27	23.25	18.35	17.47	17.97	21.33	19.33	13.75	14.32	16.23	17.24	18.14	24.95
28	19..2	18.26	17.45	17.82	17.48	18.97	13.67	14.30	21.08	17.18	18.12	19.11
29	19.08	18.11	21.95	17.78	17.36	19.09	13.75	14.33	16.48	17.16	18.14	18.96
30	19.05	17.98	17.75	17.83	---	15.17	13.80	14.38	16.38	17.15	23.06	19.79
31	19.05	---	17.62	17.96	---	15.12	---	14.38	---	17.17	18.43	---
MAX	25.03	24.41	22.02	23.21	22.78	23.14	18.38	19.42	22.62	23.79	23.97	24.95

WTR YR 1984 MEAN 17.88 HIGH 13.55 LOW 25.03

392733084293000 Local number, BU-16.

LOCATION.--Lat 39°27'33", long 84°29'30", Hydrologic Unit 05080002, Wayn-Madison Rd. 2 mi southwest of Trenton. Owner: Miller Brewing Co.

AQUIFER.--Sand and gravel of pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 4 in, depth 218 ft, cased.

DATUM.--Altitude of land surface datum is 640 ft, from topographic map. Measuring point: floor of instrument shelter, 1.5 ft above land surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 18.12 ft Nov. 17, 1983; Minimum daily low, 10.63 ft May 5-6, 8-13, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low 18.12 ft Nov. 17; Minimum daily low 10.63 ft May 5-6, 8-13.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.04	17.07	16.20	16.32	16.27	15.99	13.76	10.82	11.24	12.41	13.21	14.52
2	16.05	16.92	16.21	16.31	16.57	15.99	13.76	10.84	11.24	12.42	13.21	14.52
3	17.29	16.75	16.23	16.31	16.48	15.98	14.65	10.84	11.31	12.42	13.22	14.53
4	16.22	17.60	16.25	16.31	16.28	15.98	13.89	10.85	11.65	12.34	13.26	14.72
5	16.22	16.80	16.16	16.31	16.17	15.98	13.82	10.63	11.51	12.34	13.32	14.64
6	17.39	16.80	16.04	16.31	16.14	15.88	12.38	10.63	11.51	12.27	13.36	14.55
7	17.58	17.06	16.04	16.32	16.97	15.64	11.88	10.81	11.52	12.13	13.39	14.66
8	16.35	16.89	16.31	16.32	16.26	15.59	11.98	10.63	11.83	12.07	13.44	14.59
9	16.35	17.77	16.18	16.32	16.26	15.80	12.06	10.63	11.66	12.10	13.48	14.73
10	16.77	18.01	16.17	16.59	16.26	15.64	13.03	10.63	11.66	12.18	13.52	14.76
11	16.64	17.13	16.17	17.22	16.26	15.63	12.26	10.63	11.70	12.26	13.57	14.80
12	16.47	16.87	17.16	16.65	16.16	15.63	12.26	10.63	12.60	12.33	13.61	14.84
13	16.61	16.83	15.91	16.50	16.08	16.07	12.26	10.63	11.81	12.39	13.64	14.88
14	16.31	16.83	15.81	16.49	15.98	16.63	12.27	11.63	11.81	12.44	13.78	14.91
15	16.33	16.87	15.79	16.49	15.59	15.52	12.28	11.07	11.82	12.49	13.99	14.96
16	16.38	17.83	15.80	17.29	15.58	15.41	12.28	11.54	11.83	12.53	13.86	15.00
17	16.69	18.12	15.84	16.55	15.78	14.84	12.28	11.14	11.85	12.57	14.74	15.03
18	17.39	17.02	15.87	16.55	15.68	14.78	12.23	10.95	11.88	12.90	13.96	15.06
19	16.85	17.01	16.18	17.34	15.68	14.78	12.22	10.95	11.94	12.76	13.96	15.09
20	17.68	17.02	16.03	16.78	15.68	14.96	12.15	10.96	12.88	13.04	13.97	15.12
21	16.56	17.03	16.03	16.63	15.69	14.71	12.14	10.96	12.11	12.87	14.26	15.17
22	16.25	17.05	16.02	16.62	15.70	13.98	12.13	11.00	12.07	12.87	14.11	15.21
23	16.24	17.05	16.02	17.41	15.71	13.87	11.49	11.38	12.07	12.88	14.35	15.26
24	17.37	16.91	16.03	16.64	15.73	13.84	10.63	11.19	12.08	12.91	14.21	15.30
25	16.31	16.54	17.03	16.63	15.78	13.84	10.63	11.19	12.11	12.95	14.21	15.31
26	16.32	16.53	16.16	16.63	15.79	13.85	10.63	11.19	12.14	12.97	14.21	15.33
27	17.56	16.53	17.24	16.62	16.03	14.79	10.63	11.20	12.16	12.97	14.22	15.21
28	16.51	16.54	16.20	16.37	15.89	13.99	10.63	11.21	13.18	12.93	14.24	15.45
29	16.51	16.36	17.05	16.29	16.70	13.96	10.68	11.21	12.59	12.99	14.59	15.46
30	16.53	16.19	17.06	16.28	---	13.81	10.76	11.21	12.41	13.03	15.28	15.46
31	16.83	---	16.33	16.27	---	13.76	---	11.23	---	13.09	15.29	---
MAX	17.68	18.12	17.24	17.41	16.97	16.63	14.65	11.63	13.18	13.09	15.29	15.21

WTR YR 1984 MEAN 14.51 HIGH 10.63 LOW 18.12

BUTLER COUNTY--Continued

392939084231700. Local number, BU-3.

LOCATION.--Lat 39°29'39", long 84°23'17", Hydrologic Unit 05080002, Armco Steel Corp. Rt. 122 in Middletown. Owner: Armco Steel Corp.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in, depth 250 ft, cased.

DATUM.--Altitude of land-surface datum is 668 ft, from topographic map. Measuring point: Floor of instrument shelter 1.08 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 147.27 ft Apr. 4, 1955; minimum daily low, 45.27 ft July 21, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 60.55 ft Sept. 5; minimum daily low, 51.86 ft Nov. 28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.38	52.23	52.09	54.12	54.91	54.17	54.22	55.20	53.89	53.67	56.85	60.28
2	52.42	52.24	52.01	54.17	54.91	54.16	54.15	55.04	53.78	53.84	58.07	60.25
3	52.44	52.29	51.89	54.17	54.85	54.20	54.08	54.92	53.75	54.55	58.23	60.43
4	52.46	52.30	51.88	54.14	54.88	54.17	54.45	54.99	53.76	54.72	58.25	60.51
5	52.59	52.27	51.88	54.16	54.93	54.03	54.35	54.99	53.81	54.90	58.30	60.55
6	52.65	52.27	51.90	54.34	55.30	54.06	54.46	55.00	53.83	55.31	58.40	60.35
7	52.67	52.88	51.99	54.49	55.27	54.09	54.57	54.90	53.89	55.82	58.49	60.04
8	52.66	52.88	52.80	54.68	55.24	54.13	54.58	54.86	53.86	55.97	58.52	59.71
9	52.69	52.74	53.18	54.70	54.07	54.13	54.50	54.83	53.79	56.18	58.73	59.09
10	52.69	52.50	53.42	54.79	54.69	54.09	54.50	54.86	53.74	56.38	58.78	57.81
11	52.67	52.59	53.41	54.79	54.48	54.08	54.49	54.69	53.07	56.59	58.83	57.53
12	52.65	52.59	53.57	54.51	54.44	54.09	54.41	54.65	53.01	56.77	58.92	57.62
13	52.78	52.56	53.55	54.53	54.28	54.00	54.38	54.67	53.01	56.87	59.07	57.46
14	52.87	52.42	53.47	54.60	54.35	54.13	54.40	54.62	52.95	56.95	59.19	57.35
15	52.86	52.35	53.67	54.58	54.33	54.11	54.41	54.58	52.93	56.95	59.20	57.30
16	52.77	52.43	53.87	54.50	54.25	54.24	54.38	54.56	52.89	56.30	59.23	57.30
17	52.87	52.50	53.97	54.56	54.11	54.24	54.44	54.51	52.79	56.36	59.25	57.21
18	52.86	52.49	53.97	54.54	54.34	54.06	54.51	54.49	52.75	56.52	59.27	57.12
19	52.96	52.45	53.97	54.53	54.23	54.10	54.51	54.40	52.84	56.50	59.36	57.01
20	52.98	52.35	54.01	54.56	54.12	53.94	54.71	54.27	52.89	56.57	59.53	56.97
21	52.91	52.49	54.01	54.59	54.11	53.93	54.90	54.29	52.88	56.74	59.63	55.87
22	52.86	52.00	54.22	54.63	54.29	54.15	54.86	54.41	52.89	56.83	59.65	55.86
23	52.67	51.96	54.22	54.74	54.31	54.24	54.70	54.39	52.89	56.94	59.71	56.02
24	52.75	52.03	54.19	54.66	54.31	54.16	54.55	54.37	52.90	57.01	59.76	55.78
25	52.76	52.02	54.16	54.77	54.63	54.04	54.95	54.35	52.97	57.28	59.76	55.70
26	52.76	52.03	54.14	54.77	54.63	54.04	55.10	54.23	53.13	58.45	59.76	55.91
27	52.80	52.03	54.07	54.76	54.48	54.00	55.17	54.17	53.39	59.29	59.79	55.80
28	52.77	51.86	53.89	54.76	54.01	53.91	55.29	54.09	53.53	58.01	59.88	56.57
29	52.88	51.99	54.13	54.79	54.13	54.11	55.29	54.01	53.58	57.58	59.95	56.54
30	52.84	52.01	54.19	54.85	---	54.27	55.15	54.00	53.59	57.26	60.17	55.46
31	52.62	---	54.15	55.00	---	54.26	---	53.89	---	57.00	60.23	---
MAX	52.98	52.88	54.22	55.00	55.30	54.27	55.29	55.20	53.89	59.29	60.23	60.55

WTR YR 1984 MEAN 54.81 HIGH 51.86 LOW 60.55

BUTLER COUNTY--Continued

393103084240900. Local number, BU-2

LOCATION.--Lat 39°31'03", long 84°24'09", Hydrologic Unit 05080002, in basement of YMCA in Middletown. Owner: Middletown YMCA.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 88 ft, cased.

DATUM.--Altitude of land-surface datum is 636.27 ft. Measuring point: Top of platform 14.77 ft below land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--October 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 52.15 ft Sept. 28, Nov. 5, 1953 and Jan. 22, 1954; minimum daily low, 27.30 ft June 17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 38.30 ft Sept. 18; minimum daily low, 29.60 ft Dec. 25.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.45	34.00	32.70	31.10	33.50	35.25	31.50	33.95	32.70	36.55	36.80	35.95
2	35.25	33.85	32.60	30.90	33.35	35.50	32.30	34.05	32.25	36.25	35.70	35.75
3	36.90	33.95	32.75	31.40	33.30	34.10	32.20	32.05	32.25	34.90	36.35	37.00
4	37.50	34.10	32.55	31.95	33.15	34.05	32.45	32.45	32.40	35.00	35.15	36.35
5	36.05	33.80	32.30	31.90	33.35	35.55	32.05	32.85	33.70	35.75	34.70	35.90
6	36.75	33.45	32.45	31.70	33.65	35.65	32.50	31.85	33.80	35.95	36.40	35.85
7	35.85	33.95	32.00	31.55	33.60	35.50	32.30	32.00	33.05	34.45	36.85	35.75
8	35.70	33.60	32.30	32.70	33.50	35.80	32.70	32.05	33.10	34.15	37.00	35.30
9	35.70	34.50	31.85	32.60	33.70	35.70	31.95	32.20	33.35	36.45	36.25	35.30
10	35.45	34.25	31.95	33.60	34.35	35.25	32.40	32.40	33.15	36.10	35.95	37.35
11	37.75	35.80	31.60	33.60	34.15	34.10	33.70	32.20	34.40	36.25	36.30	35.60
12	37.60	35.70	33.15	34.00	33.95	35.20	33.55	32.45	35.05	35.90	35.95	37.10
13	36.95	35.50	33.35	34.30	33.80	36.05	33.60	32.05	35.60	36.20	36.75	37.95
14	34.85	35.95	33.50	34.20	34.00	36.10	31.60	31.80	35.50	35.30	36.85	37.55
15	36.05	35.70	32.00	33.95	34.15	36.00	31.55	30.75	33.45	34.55	36.60	37.00
16	35.80	35.75	31.60	34.10	35.50	35.30	33.40	30.90	33.65	35.90	36.20	35.90
17	37.65	35.85	31.65	33.20	36.05	34.10	32.55	30.30	34.65	35.75	37.35	37.95
18	37.65	34.50	31.35	33.10	36.05	34.55	32.95	30.60	34.95	35.90	35.90	38.30
19	37.55	34.10	31.55	33.10	35.75	35.30	32.10	30.75	35.60	36.15	35.90	38.10
20	37.80	34.00	31.50	32.90	35.90	34.40	31.70	30.30	35.25	36.55	37.60	38.15
21	37.00	34.80	31.95	32.55	36.05	33.05	31.65	30.25	35.25	36.25	37.50	38.10
22	37.15	34.30	31.80	32.40	33.55	32.90	31.40	30.45	35.55	36.30	37.00	37.85
23	36.85	34.15	31.80	32.55	33.90	32.75	32.05	30.85	36.00	37.65	37.30	37.55
24	36.70	33.50	29.75	32.85	33.65	32.40	32.05	31.55	34.50	38.05	36.65	35.90
25	35.40	33.05	29.60	32.60	33.05	32.10	31.80	32.05	35.30	37.30	36.05	35.65
26	34.65	32.95	29.90	32.65	33.15	31.95	31.60	32.55	35.40	36.75	36.30	35.90
27	34.40	32.45	31.15	33.05	33.70	32.30	31.40	32.00	35.65	35.30	37.15	36.55
28	34.35	33.15	31.45	32.65	33.30	32.00	31.45	31.80	36.00	35.05	37.30	37.00
29	34.35	33.25	31.75	33.05	33.75	31.60	31.65	31.80	36.35	34.80	37.00	36.45
30	34.00	32.90	31.55	32.50	---	32.20	33.55	32.45	36.45	---	36.95	35.30
31	34.20	---	30.65	32.20	---	31.55	---	31.75	---	---	36.90	---
MAX	37.80	35.95	33.50	34.30	36.05	36.10	33.70	34.05	36.45	38.05	37.60	38.30

WTR YR 1984 MEAN 34.24 HIGH 29.60 LOW 38.30

CARROLL COUNTY

403709081052800. Local number, C-1.

LOCATION.--Lat 40°37'09", long 81°05'28", Hydrologic Unit 05040001, Carrollton well field, State Route 171, 3 mi north of Carrollton.
Owner: Carrollton Water Department.

AQUIFER.--Sandstone of Pennsylvanian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 70 ft, cased.

DATUM.--Altitude of land-surface datum is 1050 ft, from topographic map. Measuring point: Top of platform 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 40.70 ft Nov. 19, 1957; minimum daily low, 7.20 ft Jan. 10, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 36.16 ft Oct. 23; minimum daily low, 16.95 ft May 11.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.13	35.59	29.34	22.59	26.13	23.29	18.97	17.17	16.98	23.38	26.39	32.72
2	35.25	35.54	29.02	22.54	26.27	23.20	18.82	17.15	17.03	23.52	26.40	32.79
3	35.27	35.46	28.76	22.49	26.24	23.21	18.69	17.01	17.16	23.64	26.83	32.86
4	35.33	35.37	28.57	22.46	26.18	23.17	18.48	17.14	17.26	23.81	26.98	32.95
5	35.32	35.23	28.40	22.45	26.17	23.05	18.26	17.15	17.31	23.97	27.23	33.02
6	35.29	35.09	27.90	22.59	26.20	23.07	18.28	17.09	17.51	24.00	27.40	33.09
7	35.31	35.00	27.87	22.47	26.18	23.06	18.29	17.06	17.76	24.14	27.63	33.13
8	35.51	34.84	27.48	22.18	26.13	22.88	18.21	17.08	18.08	24.12	27.84	33.20
9	35.60	34.67	27.24	22.06	26.05	22.94	18.06	17.02	18.40	24.09	28.06	33.29
10	35.67	34.50	25.90	22.19	26.02	22.75	17.97	17.09	18.73	24.04	28.25	33.36
11	35.77	34.41	26.62	22.40	26.01	22.74	17.87	16.95	19.03	24.08	28.49	33.48
12	35.84	34.28	26.17	22.47	25.99	22.68	17.86	17.06	19.26	24.12	28.72	33.54
13	35.92	34.08	25.99	22.58	25.89	22.43	17.81	17.07	19.54	24.12	28.92	33.61
14	35.90	33.91	25.46	22.83	25.79	22.52	17.76	17.13	19.88	24.17	29.11	33.65
15	35.95	33.55	25.05	22.86	25.71	22.34	17.76	17.14	20.12	24.18	29.32	33.79
16	36.06	33.38	24.65	23.00	25.41	22.44	17.67	17.20	20.35	24.27	29.52	33.90
17	36.07	33.16	24.11	23.18	25.09	22.25	17.73	17.27	20.61	24.32	29.70	33.94
18	36.11	32.85	23.58	23.26	25.05	21.88	17.76	17.30	20.85	24.44	29.92	34.23
19	36.11	32.50	23.08	23.47	24.68	21.79	17.75	17.38	21.10	24.31	30.16	34.14
20	36.13	32.14	22.73	23.65	24.67	21.44	17.78	17.55	21.32	24.58	30.35	34.23
21	36.13	32.00	22.64	23.72	24.35	21.21	17.82	17.64	21.46	24.66	30.42	34.24
22	36.12	31.54	22.49	23.87	24.25	21.15	17.78	17.61	21.61	24.94	30.71	34.40
23	36.16	31.20	22.44	23.92	23.95	21.13	17.70	17.59	21.78	25.00	31.00	34.54
24	36.13	30.88	22.31	24.01	23.82	20.76	17.70	17.56	22.07	25.21	31.38	34.70
25	36.07	30.63	22.36	24.22	23.81	20.35	17.53	17.35	22.18	25.43	32.03	34.72
26	35.97	30.48	22.34	24.26	23.71	20.28	17.44	17.32	22.33	25.56	32.58	34.77
27	35.89	30.24	22.38	24.53	23.52	19.96	17.35	17.36	22.53	25.90	32.71	34.77
28	35.79	29.92	22.58	24.69	23.28	19.65	17.27	17.17	22.74	26.00	32.58	34.86
29	35.79	29.86	22.84	25.25	23.38	19.64	17.26	17.16	22.92	26.12	32.55	35.01
30	35.68	29.62	22.69	25.60	---	19.45	17.16	17.07	23.12	26.20	32.59	35.15
31	35.66	---	22.64	25.84	---	19.23	---	16.99	---	26.32	32.35	---
MAX	36.16	35.59	29.34	25.84	26.27	23.29	18.97	17.64	23.12	26.32	32.71	35.15

WTR YR 1984 MEAN 25.62 HIGH 16.95 LOW 36.16

CHAMPAIGN COUNTY

400638083453900. Local number, CH-3.

LOCATION.--Lat 40°06'38", long 83°45'39", Hydrologic Unit 05080001, in Urbana.
Owner: Howard Paper Company.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 8 in, depth 40 ft, cased.

DATUM.--Altitude of land-surface datum is 1030 ft, from topographic map. Measuring point: Floor of instrument shelter 4.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May 1957, to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 24.80 ft Feb. 26-29, Mar. 13, 1964; minimum daily low, 12.45 ft Mar. 24, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 19.74 ft Jan. 23; minimum daily low, 16.14 ft July 8.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.36	19.57	19.53	19.48	19.66	19.15	17.96	16.79	16.75	16.55	17.18	17.43
2	19.39	19.59	19.57	19.50	19.69	19.15	17.92	16.79	16.75	16.57	17.21	17.36
3	19.39	19.61	19.55	19.49	16.67	19.18	17.89	16.77	16.76	16.60	17.24	17.33
4	19.41	19.60	19.54	19.48	19.57	19.18	17.86	16.75	16.81	16.61	17.27	17.43
5	19.44	19.61	19.51	19.48	19.50	19.17	17.78	16.77	16.86	16.41	17.28	17.47
6	19.44	19.61	19.51	19.50	19.48	19.14	17.70	16.77	16.91	16.21	17.30	17.52
7	19.46	19.62	19.51	19.50	19.50	19.16	17.62	16.77	16.93	16.17	17.33	17.56
8	19.50	19.63	19.51	19.50	19.52	19.17	17.54	16.78	16.95	16.14	17.35	17.61
9	19.47	19.64	19.50	19.51	19.53	19.17	17.46	16.79	16.98	16.34	17.37	17.62
10	19.53	19.67	19.47	19.53	19.55	19.16	17.40	16.82	16.99	16.42	17.40	17.67
11	19.56	19.63	19.48	19.55	19.53	19.15	17.35	16.83	17.02	16.51	16.93	17.72
12	19.57	19.57	19.43	19.57	19.48	19.14	17.32	16.85	17.04	16.58	16.83	17.73
13	19.55	19.54	19.45	19.59	19.45	19.15	17.30	16.88	17.07	16.63	16.90	17.70
14	19.50	19.57	19.45	19.60	19.32	19.14	17.28	16.90	16.88	16.67	16.97	17.68
15	19.55	19.61	19.41	19.57	19.26	19.13	17.24	16.91	16.97	16.68	17.06	17.66
16	19.58	19.61	19.41	19.58	19.25	19.09	17.18	16.92	16.98	16.71	17.09	17.60
17	19.60	19.62	19.43	19.63	19.24	19.02	17.14	16.92	16.97	16.75	17.15	17.59
18	19.62	19.62	19.43	19.64	19.24	18.97	17.12	16.93	17.04	16.80	17.16	17.69
19	19.62	19.62	19.43	19.65	19.20	18.92	17.13	16.94	17.06	16.84	16.83	17.72
20	19.64	19.65	19.44	19.66	19.20	18.84	17.12	16.92	17.08	16.88	16.93	17.78
21	19.55	19.69	19.46	19.71	19.22	18.75	16.92	16.80	17.02	16.90	16.98	17.83
22	19.56	19.71	19.45	19.73	19.20	18.65	16.81	16.76	17.07	16.93	17.03	17.87
23	19.46	19.73	19.46	19.74	19.20	18.57	16.85	16.74	17.10	16.96	17.09	17.84
24	19.42	19.64	19.44	19.71	19.22	18.47	16.86	16.73	17.04	17.01	17.12	17.90
25	19.44	19.59	19.23	19.67	19.21	18.42	16.88	16.76	16.44	17.07	17.17	17.91
26	19.43	19.56	19.30	19.65	19.18	18.32	16.89	16.78	16.48	17.06	17.20	17.85
27	19.44	19.55	19.35	19.64	19.16	18.24	16.87	16.79	16.48	17.07	17.25	17.90
28	19.46	19.57	19.41	19.63	19.15	18.16	16.86	16.70	16.50	17.08	17.28	17.92
29	19.47	19.58	19.42	19.63	19.17	18.10	16.83	16.70	16.52	17.11	17.32	17.94
30	19.48	19.54	19.44	19.63	---	18.06	16.80	16.71	16.53	17.14	17.36	17.89
31	19.52	---	19.46	19.65	---	18.01	---	16.73	---	17.14	17.40	---
MAX	19.64	19.73	19.57	19.74	19.69	19.18	17.96	16.94	17.10	17.14	17.40	17.94

WTR YR 1984 MEAN 18.23 HIGH 16.14 LOW 19.74

CLARK COUNTY

395639084012200. Local number, CL-9.

LOCATION.--Lat 39°56'39", long 84°01'22", Hydrologic Unit 05080001, at north edge of New Carlisle.
Owner: New Carlisle Water Department.

AQUIFER.--Sand and Gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 113 ft, cased.

DATUM.--Altitude of land-surface datum is 900 ft, from topographic map. Measuring point: Top of platform 2.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Departmnent of Natural Resources, Division of Water.

PERIOD OF RECORD.--September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 31.25 ft July 13, 1977; minimum daily low, 18.20 ft July 4, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 30.65 ft Jan. 5; minimum daily low, 25.04 ft May 30.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.52	28.02	28.93	27.48	29.43	29.30	28.07	26.23	26.74	---	26.56	25.08
2	28.63	28.52	28.81	27.45	29.61	29.12	27.99	26.60	26.25	---	27.04	25.11
3	28.58	28.02	29.02	29.39	29.72	29.11	27.67	26.31	26.18	---	27.00	25.68
4	28.57	28.02	28.93	30.41	29.54	29.18	27.84	26.56	26.55	---	27.01	25.40
5	28.68	28.02	28.92	30.65	29.17	29.39	27.89	25.93	25.97	---	26.85	25.65
6	28.77	28.02	28.98	29.74	29.80	29.31	27.52	26.19	26.38	---	26.91	25.55
7	28.49	28.79	28.99	29.78	29.46	29.03	27.50	26.63	26.12	---	26.92	25.32
8	28.59	28.82	28.66	29.59	29.45	29.25	27.36	26.31	26.65	---	26.67	25.58
9	28.28	28.77	28.42	29.15	29.54	29.29	27.57	25.68	26.86	---	26.42	25.59
10	28.63	28.58	28.40	29.37	29.53	29.06	27.43	26.19	26.43	---	26.22	25.80
11	28.75	29.04	28.36	29.18	29.17	28.94	27.23	26.32	26.27	26.48	25.83	25.76
12	28.40	28.89	28.46	29.11	29.42	29.87	27.40	26.29	26.90	26.50	25.90	25.43
13	28.12	28.82	28.41	29.30	29.44	29.09	27.39	26.35	26.97	26.45	25.89	25.55
14	28.53	29.06	28.36	29.36	29.25	29.56	27.25	26.57	26.54	26.50	25.95	25.53
15	28.53	29.07	28.43	29.31	28.99	29.23	27.14	26.50	26.74	26.71	26.38	25.37
16	28.30	29.17	28.43	29.58	28.80	28.98	27.28	26.45	26.53	26.52	26.16	25.67
17	29.51	29.17	28.35	29.64	28.99	29.19	26.90	25.95	25.86	26.63	25.99	25.94
18	28.73	29.04	28.58	30.18	29.09	28.81	26.76	25.95	26.89	26.74	26.03	26.92
19	28.36	29.14	29.06	29.72	28.95	29.11	26.92	26.45	26.94	26.73	26.31	25.48
20	28.02	29.06	28.69	30.04	28.86	28.72	26.98	26.51	26.63	26.38	26.19	26.94
21	28.02	29.27	28.54	29.67	28.92	28.78	26.90	25.57	26.43	26.56	26.06	25.74
22	28.02	29.18	28.61	30.58	28.86	28.56	27.16	26.39	26.91	26.62	26.05	27.30
23	28.02	29.08	28.56	29.98	29.10	28.67	27.12	26.10	26.78	27.02	26.06	25.91
24	27.88	28.82	28.52	29.93	29.11	28.64	26.64	25.97	25.87	26.11	26.19	25.92
25	28.02	29.09	27.32	29.90	29.02	28.53	26.83	25.62	26.09	26.53	26.37	25.39
26	28.02	29.02	27.15	29.65	28.89	28.22	26.87	26.06	25.43	27.08	26.59	25.92
27	28.02	29.06	27.31	29.49	29.23	28.11	26.80	25.57	25.81	26.93	26.18	25.94
28	28.02	29.05	27.50	29.57	29.14	28.13	26.99	25.73	26.26	26.85	26.09	25.93
29	28.02	28.98	27.54	29.76	29.14	28.13	26.41	25.52	25.75	26.63	26.86	25.58
30	28.02	28.92	27.45	29.79	---	28.13	26.55	25.04	25.61	27.39	26.43	27.13
31	28.02	---	27.51	30.13	---	28.06	---	26.64	---	26.84	26.67	---
MAX	29.51	29.27	29.06	30.65	29.80	29.87	28.07	26.64	26.97	27.39	27.04	27.30

WTR YR 1984 MEAN 27.75 HIGH 25.04 LOW 30.65

CLARK COUNTY--Continued

395840083495200. Local number, CL-7.

LOCATION.--Lat 39°58'40", long 83°49'52", Hydrologic Unit 05080001. Eagle City Road northwest of Springfield. Owner: State of Ohio.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 50 ft, cased.

DATUM.--Altitude of land-surface datum is 928.02 ft. Measuring point: Floor of instrument shelter 2.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--September 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 30.17 ft Feb. 18, 19, 1961; minimum daily low, 10.04 ft June 16, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 16.86 ft Nov. 23; minimum recorded daily low, 12.03 ft Apr. 10.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.61	16.74	16.54	15.59			---	12.39	13.09	14.48	15.64	16.31
2	16.61	16.74	16.52	15.66			---	12.43	13.10	14.51	15.69	16.31
3	16.62	16.74	16.51	15.72			---	12.44	13.16	14.55	15.73	16.30
4	16.65	16.73	16.50	15.80			---	12.53	13.19	14.56	15.76	16.30
5	16.69	16.74	16.46	15.88			---	12.57	13.23	14.56	15.76	16.33
6	16.71	16.76	16.40	15.97			---	12.58	13.30	14.52	15.73	16.36
7	16.72	16.76	16.35	16.01			---	12.60	13.37	14.50	15.71	16.37
8	16.74	16.77	16.27	16.03			---	12.62	13.45	14.52	15.73	16.39
9	16.74	16.79	16.20	16.07			---	12.67	13.53	14.52	15.75	16.41
10	16.73	16.80	16.17	16.14			12.03	12.72	13.60	14.56	15.76	16.41
11	16.74	16.80	16.12	16.20			12.04	12.77	13.66	14.61	15.76	16.43
12	16.76	16.78	16.05	16.25			12.11	12.81	13.76	14.67	15.73	16.46
13	16.76	16.75	15.98	16.33			12.17	12.83	13.84	14.73	15.71	16.50
14	16.75	16.74	15.90	16.38			12.17	12.89	13.94	14.80	15.72	16.53
15	16.75	16.75	15.80	16.39			12.16	12.98	14.01	14.87	15.76	16.55
16	16.75	16.78	15.75	16.43			12.16	13.05	14.04	14.90	15.79	16.55
17	16.73	16.81	15.71	16.49			12.18	13.12	14.09	14.96	15.83	16.55
18	16.76	16.83	15.66	16.54			12.23	13.17	14.11	15.05	15.87	16.57
19	16.78	16.84	15.63	16.59			12.29	13.24	14.16	15.13	15.89	16.60
20	16.79	16.84	15.61	16.63			12.35	13.30	14.22	15.19	15.89	16.63
21	16.76	16.84	15.62	16.66			12.38	13.29	14.25	15.24	15.91	16.67
22	16.73	16.84	15.69	16.69			12.34	13.26	14.25	15.29	15.94	16.72
23	16.71	16.86	15.71	---			12.28	13.24	14.28	15.34	15.99	16.74
24	16.65	16.85	15.68	---			12.27	13.23	14.28	15.41	16.01	16.74
25	16.59	16.79	15.64	---			12.28	13.18	14.24	15.47	16.04	16.75
26	16.59	16.73	15.60	---			12.27	13.18	14.23	15.50	16.06	16.75
27	16.61	16.70	15.55	---			12.31	13.18	14.29	15.52	16.07	16.75
28	16.63	16.70	15.47	---			12.36	13.15	14.35	15.52	16.13	16.77
29	16.67	16.62	15.52	---			12.36	13.11	14.40	15.53	16.18	16.79
30	16.70	16.57	15.52	---			12.38	13.07	14.45	15.53	16.23	16.79
31	16.72	---	15.55	---			---	13.06	---	15.57	16.28	---
MAX	16.79	16.86	16.54	16.69			12.38	13.30	14.45	15.57	16.28	16.79

WTR YR 1984 MEAN 15.27 HIGH 12.03 LOW 16.86

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

COSHOCTON COUNTY

401256081525100. Local number, CS-3.

LOCATION.--Lat 40°12'56", long 81°52'51", Hydrologic Unit 05040004, 1.5 mi north of Conesville.
Owner: Universal Cyclops Corp.

AQUIFER.--Sand and gravel of Quaternary Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diamter 8 in, depth 110 ft, cased.

DATUM.--Altitude of land-surface datum is 745 ft from topographic map. Measuring point: Floor of instrument shelter 2.80 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 36.98 ft Oct. 16, 1973; minimum daily low, 21.40 ft July 10, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 33.01 ft Oct. 11; minimum daily low, 22.55 ft Apr. 2.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.59	32.13	29.49	27.01	30.63	29.59	22.89	26.11	26.90	30.97	31.98	32.33
2	32.66	32.22	29.36	27.23	30.72	29.79	22.55	26.46	26.98	30.94	32.07	31.93
3	32.82	32.23	29.38	27.46	30.70	29.78	22.78	26.75	27.27	30.86	32.11	31.76
4	32.70	32.10	29.34	27.67	30.28	29.88	23.12	26.87	27.72	30.88	32.02	32.09
5	32.69	31.85	29.33	27.96	29.77	29.95	23.29	26.82	28.17	30.90	31.67	32.20
6	32.70	31.61	29.08	28.39	29.53	29.95	23.39	26.47	28.55	30.76	31.48	32.24
7	32.71	31.45	28.54	28.90	29.82	29.61	23.39	26.47	28.80	30.37	31.49	32.30
8	32.76	31.46	28.14	29.12	29.90	29.35	23.46	26.69	29.02	30.00	31.51	32.26
9	32.79	31.46	27.79	29.38	30.00	29.24	23.69	26.87	29.17	29.77	31.53	32.15
10	32.95	31.47	27.53	29.63	30.07	29.21	23.92	26.91	29.22	29.82	31.53	32.42
11	33.01	31.51	27.31	30.01	30.03	29.07	24.44	26.92	29.58	29.99	31.43	32.51
12	32.87	31.49	27.20	30.31	29.67	29.17	24.76	27.02	29.82	30.15	31.21	32.57
13	32.83	31.38	27.10	30.52	29.55	29.65	25.07	27.13	29.98	30.28	31.16	32.61
14	32.78	31.03	27.30	30.63	29.33	29.80	25.32	27.26	30.10	30.39	31.27	32.64
15	32.65	30.93	27.29	30.66	28.91	29.90	25.37	27.37	30.17	30.47	31.36	32.61
16	32.53	30.90	27.13	30.78	28.44	29.92	25.62	27.61	30.18	30.60	31.45	32.48
17	32.39	30.86	26.89	30.92	28.01	29.81	25.79	27.84	30.29	30.72	31.54	32.61
18	32.42	30.77	26.83	31.04	27.78	29.34	25.96	28.05	30.60	30.85	31.53	32.63
19	32.43	30.59	26.93	31.14	27.60	28.76	26.11	28.15	30.75	30.96	31.51	32.65
20	32.44	30.39	26.98	31.34	27.72	28.37	26.00	28.35	30.73	31.04	31.57	32.73
21	32.43	30.12	27.06	31.37	27.89	27.95	26.01	28.49	30.64	31.10	31.82	32.78
22	32.47	29.99	27.32	31.38	28.00	27.10	26.17	28.45	30.74	31.33	31.89	32.73
23	32.43	29.92	27.56	31.39	28.24	26.37	26.43	28.15	30.74	31.71	31.86	32.67
24	32.16	29.90	27.79	31.34	28.41	25.60	26.42	27.76	30.74	31.04	31.99	32.79
25	32.04	29.76	27.86	31.06	28.55	24.76	26.17	27.24	30.86	31.91	31.98	32.83
26	31.90	29.75	27.80	30.78	28.75	24.19	25.78	26.83	30.99	32.01	31.95	32.87
27	31.95	29.76	27.63	30.56	28.97	23.83	25.50	26.43	31.14	32.13	32.22	32.92
28	31.92	29.95	27.40	30.37	29.20	23.65	25.38	26.29	31.20	32.08	32.40	32.96
29	31.98	29.87	27.24	30.33	29.39	23.48	25.40	26.60	31.20	31.84	32.52	32.93
30	31.91	29.68	27.14	30.43	---	23.36	25.74	26.69	31.06	31.85	32.53	32.68
31	32.03	---	27.09	30.56	---	23.10	---	26.76	---	31.90	32.50	---
MAX	33.01	32.23	29.49	31.39	30.72	29.95	26.43	28.49	31.20	32.13	32.53	32.96

WTR YR 1984 MEAN 29.61 HIGH 22.55 LOW 33.01

DARKE COUNTY

400514084345700. Local number, D-2.

LOCATION.--Lat 40°05'14", long 84°34'57", Hydrologic Unit 05080001, State Route 571, 3 mi east of Greenville. Owner: Greenville Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 70 ft, cased.

DATUM.--Altitude of land-surface datum is 1038 ft, from topographic map. Measuring point: Floor of instrument shelter 4.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 20.43 ft Nov. 29, 1977; minimum daily low, 16.76 ft Apr. 14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 20.00 ft, Oct. 29; minimum daily low, 17.50 ft May 3.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.46	19.77	19.87	19.24	19.27	19.17	18.41	17.86	17.62	18.01	18.35	18.87
2	19.48	19.72	19.73	19.19	19.24	19.16	18.38	17.73	17.55	18.02	18.39	18.74
3	19.45	19.77	19.67	19.15	19.20	19.23	18.26	17.50	17.69	17.99	18.36	18.83
4	19.49	19.77	19.71	19.09	19.13	19.06	18.06	17.84	17.66	17.89	18.38	18.90
5	19.64	19.71	19.70	19.08	19.38	19.03	18.14	17.85	17.64	17.94	18.41	18.91
6	19.71	19.75	19.75	19.34	19.47	19.10	18.32	17.83	17.68	18.05	18.39	18.90
7	19.68	19.77	19.81	19.37	19.55	19.14	18.37	17.76	17.69	18.16	18.36	18.88
8	19.69	19.83	19.68	19.39	19.44	19.25	18.31	17.73	17.65	18.16	18.40	18.88
9	19.70	19.76	19.68	19.38	19.22	19.24	18.08	17.86	17.71	18.04	18.48	18.70
10	19.62	19.59	19.71	19.36	19.18	19.03	18.11	17.87	17.71	18.02	18.51	18.81
11	19.54	19.95	19.49	19.36	19.25	19.13	18.05	17.71	17.81	18.07	18.52	18.95
12	19.48	19.98	19.46	19.35	19.23	19.12	17.97	17.93	17.75	18.14	18.56	19.01
13	19.65	19.87	19.46	19.29	19.19	19.08	18.03	17.91	17.73	18.17	18.55	18.98
14	19.76	19.77	19.23	19.42	19.28	19.14	17.99	17.98	17.77	18.21	18.55	18.92
15	19.75	19.75	19.50	19.35	19.34	18.86	17.94	17.93	17.87	18.10	18.58	19.07
16	19.64	19.87	19.70	19.14	19.11	19.10	17.92	17.96	17.78	18.11	18.55	19.10
17	19.72	19.95	19.66	19.35	19.19	18.92	17.98	17.90	17.69	18.09	18.52	19.06
18	19.69	19.86	19.52	19.33	19.19	18.74	18.14	17.77	17.74	18.26	18.50	18.94
19	19.74	19.79	19.41	19.33	19.18	18.64	18.10	17.65	17.86	18.31	18.62	18.91
20	19.67	19.86	19.36	19.41	19.20	18.35	18.12	17.74	17.85	18.23	18.69	18.93
21	19.69	19.97	19.27	19.41	19.11	18.46	18.07	17.76	17.86	18.25	18.65	19.04
22	19.62	19.95	19.39	19.31	19.12	18.86	17.67	17.78	17.80	18.30	18.59	19.09
23	19.62	19.79	19.39	19.23	19.00	18.90	17.65	17.84	17.76	18.28	18.69	19.09
24	19.77	19.92	19.34	19.12	19.15	18.58	17.77	17.85	17.88	18.28	18.76	19.04
25	19.77	19.84	19.26	19.24	19.29	18.48	17.81	17.57	17.88	18.29	18.78	19.11
26	19.75	19.86	19.20	19.25	19.30	18.49	17.79	17.85	17.88	18.23	18.72	19.27
27	19.84	19.84	19.18	19.27	19.00	18.28	17.73	17.86	17.90	18.32	18.63	19.18
28	19.78	19.67	19.25	19.16	19.10	18.23	17.89	17.61	17.95	18.40	18.63	19.08
29	20.00	19.82	19.49	19.29	19.19	18.56	17.88	17.74	17.94	18.40	18.69	19.11
30	19.90	19.86	19.49	19.50	---	18.56	17.85	17.67	17.96	18.33	18.79	19.07
31	19.73	---	19.30	19.48	---	18.54	---	17.63	---	18.31	18.82	---
MAX	20.00	19.98	19.87	19.50	19.55	19.25	18.41	17.98	17.96	18.40	18.82	19.27

WTR YR 1984 MEAN 18.81 HIGH 17.50 LOW 20.00

BEST COPY AVAILABLE

DELAWARE COUNTY

402126083040400. Local number, DL-3.

LOCATION.--Lat 40°21'26", long 83°04'04", Hydrologic Unit 05060001, east bank of Olentangy River at toe of Delaware dam.

Owner: U.S. Army Corps Engineers.

AQUIFER.--Limestone of Devonian Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth 135 ft, cased.

DATUM.--Altitude of land-surface datum is 900 ft, from topographic map. Measuring point: Floor of instrument shelter 2.60 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--October 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 37.04 ft Nov. 1, 1948, Dec. 2, 3, 1948; minimum daily low, 20.43 ft Jan. 27, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 31.98 ft Oct. 9; minimum recorded daily low, 26.54 ft Mar. 28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.89	31.50	30.34	---	31.90	31.55	28.62	29.88	30.67	31.11	31.35	31.63
2	31.89	31.34	30.61	---	31.91	31.58	28.97	30.03	30.66	31.14	31.36	31.58
3	31.88	31.23	30.73	---	31.83	31.63	29.29	30.03	30.75	31.18	31.34	31.60
4	31.89	30.79	30.63	---	31.28	31.63	29.35	30.00	30.78	31.19	31.33	31.66
5	31.91	30.79	30.33	---	31.16	31.51	29.15	30.18	30.83	31.19	31.33	31.69
6	31.95	30.80	29.79	---	31.48	31.46	28.88	30.23	30.88	31.21	31.33	31.71
7	31.95	31.00	29.78	---	31.72	31.24	29.09	30.25	30.92	31.25	31.31	31.71
8	31.95	31.05	30.12	---	31.83	31.21	29.56	30.23	30.96	31.30	31.34	31.69
9	31.98	31.07	30.60	---	31.81	31.38	29.86	30.13	31.06	31.33	31.35	31.67
10	31.96	31.04	30.70	---	31.81	31.38	30.14	30.49	31.09	31.33	31.35	31.63
11	31.92	30.95	30.74	---	31.82	31.38	30.06	30.57	31.16	31.25	31.36	31.64
12	31.88	30.81	30.72	---	31.69	31.46	30.13	30.32	31.18	31.20	31.36	31.71
13	31.83	30.73	30.35	---	31.43	---	30.35	30.43	31.18	31.26	31.37	31.59
14	31.84	30.28	30.51	---	31.20	---	30.38	30.40	31.19	31.29	31.37	31.58
15	31.87	30.00	30.78	---	30.31	---	30.42	30.41	31.23	31.31	31.38	31.71
16	31.84	29.88	31.10	---	30.00	---	30.40	30.88	31.21	31.27	31.38	31.73
17	31.85	29.98	31.20	---	29.99	---	30.25	31.09	31.17	31.24	31.38	31.75
18	31.83	29.98	31.23	---	30.63	---	30.11	30.81	31.12	31.23	31.36	31.67
19	31.80	29.78	31.32	---	30.72	---	30.08	30.79	31.01	31.27	31.40	31.58
20	31.78	29.79	31.40	---	30.76	---	30.09	30.78	31.00	31.31	31.44	31.64
21	31.73	29.90	31.42	---	30.80	---	30.12	30.82	31.02	31.30	31.46	31.71
22	31.72	30.12	31.38	---	31.17	---	30.09	30.74	31.03	31.30	31.45	31.74
23	31.50	30.17	31.47	---	31.24	---	29.85	30.42	31.00	31.32	31.47	31.76
24	31.04	30.13	---	---	---	---	29.83	30.01	30.99	31.33	31.51	31.76
25	30.93	30.15	---	---	---	---	29.38	30.00	30.99	31.33	31.54	31.72
26	31.09	30.25	---	---	---	---	28.99	30.39	30.98	31.33	31.54	31.78
27	31.20	30.33	---	---	---	---	28.89	30.63	30.95	31.30	31.53	31.79
28	31.40	30.30	31.74	---	---	26.54	29.26	30.67	31.01	31.31	31.51	31.76
29	31.51	30.25	---	---	---	27.04	29.59	30.64	31.06	31.34	31.51	31.74
30	31.51	30.13	---	31.83	---	27.40	29.73	30.50	31.08	31.36	31.53	31.72
31	31.51	---	---	31.88	---	27.84	---	30.62	---	31.35	31.59	---
MAX	31.98	31.50	31.74	31.88	31.91	31.63	30.42	31.09	31.23	31.36	31.59	31.79

WTR YR 1984 MEAN 30.95 HIGH 26.54 LOW 31.98

FAIRFIELD COUNTY

394257082362900. Local number, F-6.

LOCATION.--Lat 39°42'57", long 82°36'29", Hydrologic Unit 05030204, near Hocking River in well field at Lancaster. Owner: Lancaster Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 108 ft, cased.

DATUM.--Altitude of land-surface datum is 820 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded daily low, 27.00 ft Nov. 11-12, 1982; minimum daily low, 16.40 ft June 25, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 25.25 ft Aug. 31, Sept. 18; minimum daily low, 19.95 ft June 3.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.35	22.65	22.60	22.60	23.45	23.80	21.85	22.00	21.00	23.10	23.40	24.05
2	21.30	23.40	22.30	22.00	22.70	23.85	22.15	22.10	20.35	22.40	23.80	24.25
3	22.15	21.75	22.50	22.30	22.30	23.65	21.85	21.65	19.95	22.50	23.95	24.15
4	22.45	21.90	22.25	22.45	22.80	23.45	21.75	21.60	21.05	22.85	23.65	24.05
5	23.00	22.05	21.40	22.15	22.70	23.60	21.85	21.45	21.10	22.70	22.90	24.15
6	22.45	22.05	21.80	23.10	23.15	23.70	21.80	21.50	21.05	22.90	22.30	23.75
7	23.50	22.40	21.25	23.10	23.80	23.35	22.05	22.10	21.25	23.00	23.20	23.95
8	23.25	23.20	21.65	21.95	23.85	23.80	21.50	22.20	21.25	22.90	23.30	23.15
9	22.35	22.45	22.50	22.35	23.50	23.80	22.35	22.25	21.30	23.50	23.45	24.85
10	22.80	22.20	22.65	23.10	23.50	23.55	22.05	22.15	21.35	23.45	22.75	24.70
11	22.95	22.40	22.50	23.00	23.55	23.40	22.35	21.85	21.30	23.80	21.05	24.35
12	23.15	21.15	21.25	22.65	23.45	23.70	21.65	21.65	22.45	22.95	22.00	24.35
13	22.85	21.70	21.65	22.65	23.75	22.75	21.15	22.30	22.15	23.05	21.70	24.25
14	23.20	23.10	21.95	22.80	24.35	22.55	20.30	21.70	22.40	22.90	22.85	24.15
15	22.80	22.60	22.10	23.00	23.95	23.70	21.80	22.55	22.80	22.85	23.65	23.55
16	22.15	22.15	22.30	22.95	23.25	23.80	22.25	21.70	22.50	22.60	23.25	24.05
17	22.55	21.60	22.80	22.20	23.45	23.85	22.35	21.70	22.30	22.65	23.20	25.00
18	23.60	22.00	22.15	22.75	23.15	22.20	22.15	22.35	22.50	23.05	22.70	25.25
19	24.10	22.45	22.65	22.75	23.45	23.35	22.25	21.45	23.10	23.00	22.85	24.95
20	22.30	22.50	22.85	22.85	23.50	23.75	22.60	21.40	23.20	22.70	23.90	24.55
21	22.95	22.15	21.45	---	23.75	23.75	22.40	22.25	23.25	22.30	24.75	24.10
22	22.55	22.15	21.55	---	23.05	23.70	21.85	22.05	23.60	22.70	24.85	24.30
23	21.90	22.00	21.95	---	23.65	23.20	21.40	22.05	23.25	22.50	24.50	24.30
24	22.55	22.45	20.75	---	23.35	22.55	22.60	22.00	23.25	23.45	24.75	23.45
25	23.25	21.45	21.75	22.70	23.60	22.60	22.00	22.05	23.45	23.20	24.90	24.35
26	21.65	22.15	---	22.70	21.50	23.10	22.15	21.15	23.00	22.45	24.60	24.65
27	22.50	21.60	---	22.55	22.15	23.10	20.85	21.90	22.95	22.70	24.00	24.75
28	23.30	22.20	---	23.65	---	22.60	21.75	21.55	23.35	22.90	24.05	24.30
29	21.95	22.90	23.05	23.95	---	22.65	22.00	21.75	23.65	22.75	24.80	---
30	22.35	---	23.15	23.55	---	22.55	22.00	21.45	23.25	23.10	25.10	---
31	22.30	---	23.00	23.15	---	21.50	---	21.30	---	23.35	25.25	---
MAX	24.10	23.40	23.15	23.95	24.35	23.85	22.60	22.55	23.65	23.80	25.25	25.25

WTR YR 1984 MEAN 22.75 HIGH 19.95 LOW 25.25

FAIRFIELD COUNTY--Continued

394544082271000. Local number, F-1.
LOCATION.--Lat 39°45'44", long 82°27'10", Hydrologic Unit 05030204, near the west edge of West Rushville.
Owner: State of Ohio.
AQUIFER.--Sandstone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 84 ft, cased.
DATUM.--Altitude of land-surface datum is 980 ft, from topographic map. Measuring point: Floor of instrument shelter 8.02 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--March 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 19.81 ft Mar. 1-4, 1964; minimum daily low, 7.27 ft May 5-6, 1962.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 18.81 ft Oct. 17-18; minimum daily low, 11.61 ft Apr. 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.59	18.40	16.79	14.47	16.07	15.35	11.95	11.78	13.68	15.60	16.94	17.94
2	18.59	18.38	16.69	14.51	16.11	15.33	11.88	11.79	13.61	15.77	17.02	17.93
3	18.61	18.31	16.46	14.55	16.11	15.35	11.86	11.83	13.60	15.77	17.02	17.93
4	18.61	18.28	16.33	14.55	16.13	15.35	11.80	11.91	13.65	15.79	17.06	17.96
5	18.56	18.25	16.16	14.56	16.16	15.26	11.74	12.06	13.73	15.86	17.06	17.99
6	18.64	18.23	16.03	14.61	16.28	15.24	11.75	12.13	13.71	15.86	17.19	18.01
7	18.64	18.21	15.85	14.71	16.31	15.22	11.76	12.24	13.76	15.99	17.19	18.05
8	18.67	18.23	15.68	14.78	16.31	15.15	11.76	12.33	13.81	16.03	17.12	18.06
9	18.67	18.22	15.52	14.86	16.33	15.04	11.74	12.39	13.94	16.14	17.15	18.06
10	18.72	18.17	15.33	14.88	16.33	14.97	11.72	---	14.02	16.22	17.15	18.08
11	18.73	18.02	15.24	14.96	16.33	14.81	11.70	---	14.14	16.20	17.16	18.09
12	18.70	18.04	15.00	15.07	16.35	14.81	11.74	---	14.23	16.33	17.16	18.26
13	18.66	18.04	14.95	15.07	16.38	14.72	11.75	---	14.23	16.30	17.33	18.26
14	18.68	17.97	14.85	15.18	16.40	14.53	11.83	---	14.31	16.39	17.90	18.26
15	18.75	17.95	14.63	15.21	16.40	14.62	11.91	---	14.39	16.63	17.53	18.26
16	18.75	17.80	14.61	15.31	16.40	14.48	12.03	---	14.47	16.55	17.43	18.26
17	18.81	17.72	14.61	15.36	16.30	14.49	12.08	---	14.50	16.59	17.47	18.33
18	18.81	17.73	14.61	15.36	16.23	14.38	12.14	---	14.66	16.47	17.46	18.46
19	18.78	17.63	14.54	15.43	16.14	14.38	12.26	---	14.79	15.53	17.44	18.50
20	18.79	17.55	14.54	15.48	16.02	14.34	12.28	---	14.87	16.53	17.52	18.47
21	18.72	17.42	14.51	15.57	15.99	14.10	12.35	---	14.94	16.65	17.58	18.44
22	18.70	17.43	14.42	15.63	15.91	13.88	12.35	---	14.99	16.55	17.58	18.51
23	18.60	17.37	14.40	15.73	15.79	13.65	12.27	---	15.04	16.67	17.52	18.52
24	18.60	17.23	14.39	15.76	15.68	13.44	12.14	---	15.04	16.69	17.64	18.54
25	18.61	17.19	14.40	15.76	15.57	13.27	11.99	---	15.23	16.68	17.68	18.54
26	18.57	17.18	14.40	15.81	15.53	12.98	11.81	---	15.30	16.68	17.72	18.57
27	18.48	17.16	14.39	15.83	15.52	12.87	11.75	---	15.32	16.63	17.80	18.58
28	18.47	17.05	14.39	15.83	15.43	12.64	11.69	---	15.44	16.76	17.79	18.58
29	18.46	16.90	14.34	15.90	15.30	12.38	11.61	---	15.48	16.77	17.83	18.58
30	18.46	16.89	14.38	15.95	---	12.22	11.63	---	15.56	16.89	17.85	18.58
31	18.42	---	14.43	16.01	---	12.04	---	13.69	---	16.94	17.90	---
MAX	18.81	18.40	16.79	16.01	16.40	15.35	12.35	13.69	15.56	16.94	17.90	18.58

WTR YR 1984 MEAN 15.85 HIGH 11.61 LOW 18.81

FAIRFIELD COUNTY--Continued

395053082361900. Local number, F-5.

LOCATION.--Lat 39°50'53", long 82°36'19", Hydrologic Unit 05060001, Gaylord Paper Co., Baltimore.
Owner: Crown Zellerbach - Gaylord Paper Division.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 180, cased.

DATUM.--Altitude of land-surface datum is 850 ft, from topographic map. Measuring point: Floor of instrument shelter 3.5 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 34.50 ft Sept. 13, 1984; minimum daily low, 0.98 ft above land surface Nov. 7, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 34.50 ft Sept. 13; minimum daily low, 5.30 ft May 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.60	11.50	10.30	---	8.30	9.80	8.60	6.00	9.00	22.00	25.00	25.30
2	27.40	21.00	10.10	---	8.90	8.70	8.30	6.90	10.30	26.10	25.00	24.00
3	27.30	11.10	10.80	12.50	11.50	8.70	8.10	6.70	10.20	25.45	25.20	23.50
4	27.80	11.10	11.10	12.15	8.90	7.80	11.30	9.60	7.60	24.70	22.30	28.30
5	28.00	11.90	11.30	10.15	8.70	7.50	9.20	6.00	9.10	19.50	23.50	24.50
6	27.80	11.30	10.20	10.00	9.00	11.20	8.50	5.30	9.80	18.10	25.70	25.20
7	27.90	11.50	9.50	9.60	9.20	15.80	8.55	6.70	13.90	19.90	26.00	24.30
8	26.60	9.90	9.90	9.00	8.60	10.90	11.30	8.20	12.00	17.20	25.05	24.10
9	26.20	9.70	10.90	10.50	10.00	9.30	9.50	7.40	10.40	20.30	25.50	27.50
10	26.40	9.50	9.50	9.30	7.90	8.20	8.10	10.50	9.70	16.00	29.70	29.90
11	26.90	9.10	9.70	8.20	7.80	7.30	9.30	10.50	10.15	13.80	22.30	33.50
12	26.70	9.20	9.80	9.40	11.60	12.00	12.55	8.50	9.40	15.00	22.40	34.40
13	25.50	9.10	10.40	8.20	7.90	13.20	11.35	5.90	16.50	11.90	26.90	34.50
14	25.40	9.50	9.50	8.30	12.50	9.20	7.90	7.20	15.60	13.15	27.60	24.70
15	25.00	8.90	9.10	7.40	14.50	9.50	7.95	9.70	20.10	15.70	27.80	18.90
16	25.30	9.70	9.90	7.20	11.90	9.40	9.95	9.10	16.10	14.40	29.00	16.30
17	25.50	9.30	8.30	8.10	8.90	8.45	8.70	11.50	18.30	12.00	27.40	15.40
18	25.50	9.40	8.40	7.60	8.20	8.30	7.40	11.25	17.70	11.80	27.50	22.10
19	18.00	9.10	8.60	7.70	8.30	7.70	8.50	12.30	19.00	13.20	26.70	21.70
20	16.00	9.70	9.00	8.20	7.80	9.10	7.20	12.80	20.15	13.80	24.00	24.00
21	14.30	8.50	10.00	8.60	8.30	8.00	7.20	11.30	20.50	14.50	24.40	27.70
22	13.00	9.20	8.40	9.00	12.10	9.40	7.15	7.80	20.20	10.60	24.30	24.00
23	11.80	10.00	8.30	8.80	15.10	9.00	6.90	8.90	19.85	20.40	25.60	23.50
24	12.00	9.80	9.30	8.00	14.30	8.60	5.80	8.70	20.70	22.30	22.60	24.80
25	16.90	11.30	8.70	7.80	8.40	11.30	10.50	9.90	20.80	22.20	22.20	25.50
26	17.10	6.70	5.70	---	7.50	13.70	8.40	8.10	20.60	22.50	26.40	29.40
27	17.40	18.00	17.00	---	8.50	8.70	7.60	9.30	22.30	23.90	29.60	29.70
28	12.40	16.40	18.10	---	11.30	7.40	6.60	8.40	21.90	23.80	24.40	26.85
29	11.40	10.70	17.00	---	10.30	10.40	5.60	6.95	22.30	24.10	28.20	27.30
30	10.90	10.70	18.40	---	---	8.00	6.60	11.30	22.40	23.80	24.30	27.00
31	12.00	---	---	---	---	7.90	---	9.40	---	23.70	23.60	---
MAX	28.00	21.00	18.40	12.50	15.10	15.80	12.55	12.80	22.40	26.10	29.70	34.50

WTR YR 1984 MEAN 14.64 HIGH 5.30 LOW 34.50

BEST COPY AVAILABLE

FAYETTE COUNTY

393153083322000. Local number, FA-1.

LOCATION.--Lat 39°31'53", long 83°32'20", Hydrologic Unit 05060003, Burnett-Perill Road about 6 mi west of Washington Court House.
Owner: Martha Slagle.

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in, depth 78 ft, cased.

DATUM.--Altitude of land-surface datum is 1010 ft. from topographic map. Measuring point: Floor of instrument shelter 3.30 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--February 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 13.45 ft Sep. 30 1982; minimum daily low, 3.26 ft Apr. 28, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 12.25 ft Nov. 8; minimum daily low, 5.90 ft Apr. 9.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.10	8.85	6.40	6.60	7.15	6.65	6.10	6.30	6.50	7.80	7.80	8.20
2	9.95	8.70	6.75	6.75	7.05	6.70	6.35	6.35	6.65	7.35	7.80	8.05
3	10.10	8.70	6.40	6.75	7.05	6.70	6.15	6.20	6.70	7.25	7.85	8.15
4	9.95	8.60	6.25	6.40	7.05	6.55	6.05	6.20	6.90	7.15	7.90	8.15
5	10.05	8.30	6.20	6.60	7.15	7.00	5.90	---	6.85	7.20	7.90	8.25
6	10.00	10.95	6.25	6.45	7.05	6.60	6.00	---	6.65	7.30	7.95	8.25
7	10.35	11.70	6.25	6.70	7.20	6.75	5.95	---	6.95	7.30	9.75	8.35
8	10.25	12.25	6.25	6.55	7.30	6.50	6.10	6.35	6.60	7.25	8.30	8.45
9	10.35	10.10	6.15	6.80	7.10	6.65	5.90	6.15	7.15	7.20	8.50	8.45
10	10.25	8.60	6.25	6.60	7.10	6.45	6.05	6.20	7.15	7.40	8.10	8.35
11	10.30	8.05	6.00	6.75	7.05	6.50	6.15	---	6.90	7.25	7.75	8.60
12	10.10	8.00	6.05	6.65	7.00	6.40	6.25	6.25	7.75	7.45	7.80	8.65
13	10.20	7.75	6.20	6.80	7.15	6.55	6.00	6.20	7.45	7.30	7.65	8.60
14	10.10	7.60	6.05	6.80	6.90	6.55	6.15	6.25	7.60	7.40	7.65	8.50
15	10.25	7.30	6.10	6.90	6.95	6.70	6.10	6.35	7.10	7.35	7.55	8.45
16	10.20	7.45	6.10	6.90	6.90	6.60	6.15	---	6.90	7.30	8.00	8.55
17	10.30	7.30	6.15	6.85	6.85	6.65	6.30	---	7.35	7.60	8.00	8.55
18	10.35	7.30	6.15	7.00	6.80	6.45	6.30	---	7.55	7.45	7.85	8.45
19	10.45	7.25	6.20	6.90	6.75	6.45	6.35	---	7.35	7.50	7.65	8.50
20	10.30	7.10	6.10	7.15	6.65	6.30	6.45	6.25	7.30	7.75	8.15	8.50
21	10.15	7.10	6.15	7.00	6.65	6.20	6.30	6.25	7.10	7.60	7.85	8.60
22	9.95	7.15	6.05	7.05	6.85	6.40	6.35	6.30	7.00	7.65	7.90	8.65
23	9.90	6.95	6.25	7.00	6.65	6.35	6.35	---	7.00	7.80	7.85	8.55
24	9.70	7.05	6.20	7.05	6.70	6.15	6.25	---	6.90	8.20	7.85	8.55
25	9.80	6.85	---	7.00	6.55	6.15	6.25	---	7.10	8.20	7.90	8.80
26	9.50	6.95	---	7.00	6.70	6.00	6.50	---	7.15	8.70	8.00	8.70
27	9.60	6.80	---	6.95	6.50	6.10	6.35	---	7.55	8.00	8.15	8.85
28	9.45	6.60	---	7.15	6.50	6.00	6.35	---	7.75	7.75	8.15	8.65
29	9.45	6.50	---	7.20	6.45	5.95	6.30	---	7.25	7.70	8.10	8.75
30	9.15	6.55	6.45	7.15	---	5.95	6.35	---	7.20	7.95	8.10	8.65
31	9.05	---	6.50	7.10	---	6.10	---	---	---	7.95	8.00	---
MAX	10.45	12.25	6.75	7.20	7.30	7.00	6.50	6.35	7.75	8.70	9.75	8.85

WTR YR 1984 MEAN 7.41 HIGH 5.90 LOW 12.25

FRANKLIN COUNTY

395118082573300. Local number, FR-3.

LOCATION.--Lat 39°51'14", long 82°57'32", Hydrologic Unit 05060001, 0.7 mi southwest of Reese.
Owner: R. Hann

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 12 in, depth drilled 60 ft, present depth 53 ft, cased.

DATUM.--Altitude of land-surface datum is 712.94 ft. Measuring point: Floor of instrument shelter 3.43 ft above land-surface datum.

PERIOD OF RECORD.--April 1946 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 20.75 ft July 7, 1966; minimum daily low, 0.0 ft Jan. 22, 1959.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 31 1983	12.42	Jan. 30, 1984	11.94	Apr. 30, 1984	10.24	July 30, 1984	12.64
Nov. 30	10.79	Feb. 29	11.79	May 31	10.87	Aug. 31	13.03
Dec. 29	11.84	Mar. 30	8.33	June 28	12.32	Sept. 28	13.21

FRANKLIN COUNTY--Continued

395157083003500. Local number, FR-109.

LOCATION.--Lat 39°51'57", long 83°00'35", Hydrologic Unit 05060001, 6.6 mi south of the State capital in Columbus. Owner: City of Columbus.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 92 ft, cased to 82 ft.

DATUM.--Altitude of land-surface datum is 702.24 ft. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 22.09 ft Sept. 30, 1984; minimum daily low, 12.43 ft Mar. 27, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 22.09 ft Sept. 30; minimum daily low, 13.90 ft Mar. 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.86	21.41	20.00	17.87	20.00	17.31	14.22	15.03	16.63	18.59	20.19	21.29
2	20.89	21.42	19.87	17.93	20.02	17.35	14.30	15.05	16.69	18.64	20.23	21.33
3	20.92	21.40	19.77	17.96	20.04	17.40	14.31	15.04	16.76	18.70	20.28	21.37
4	20.94	21.40	19.60	18.01	20.05	17.40	14.30	15.09	16.82	18.74	20.31	21.41
5	20.97	21.41	19.41	18.04	20.10	17.42	14.27	15.14	16.88	18.77	20.34	21.44
6	21.00	21.41	19.23	18.16	20.16	17.46	14.24	15.16	16.95	18.81	20.39	21.47
7	21.01	21.42	18.96	18.23	20.20	17.50	14.08	15.20	17.01	18.87	20.43	21.50
8	21.05	21.43	18.59	18.32	20.23	17.57	14.12	15.23	17.08	18.93	20.47	21.53
9	21.07	21.43	18.39	18.35	20.26	17.58	14.28	15.29	17.14	18.97	20.52	21.56
10	21.10	21.43	18.26	18.45	20.29	---	14.36	15.29	17.21	19.03	20.55	21.59
11	21.12	21.41	18.15	18.53	20.31	---	14.42	15.38	17.28	19.09	20.52	21.63
12	21.15	21.38	17.99	18.59	20.31	---	14.45	15.48	17.34	19.15	20.56	21.65
13	21.18	21.35	17.90	18.68	20.30	17.77	14.54	15.52	17.40	19.22	20.60	21.69
14	21.21	21.33	17.69	18.76	20.22	17.81	14.60	15.59	17.47	19.27	20.64	21.69
15	21.23	21.30	17.64	18.81	18.96	17.81	14.65	15.67	17.54	19.31	20.68	21.72
16	21.26	21.27	17.64	18.90	18.23	17.80	14.70	15.74	17.60	19.37	20.72	21.75
17	21.29	21.25	17.62	18.99	17.88	17.26	14.80	15.80	17.66	19.43	20.75	21.77
18	21.30	21.21	17.59	19.08	17.72	16.36	14.88	15.85	17.72	19.50	20.79	21.80
19	21.33	21.18	17.55	19.15	17.61	15.93	14.93	15.92	17.80	19.54	20.84	21.82
20	21.33	21.14	17.54	19.25	17.52	15.62	15.00	15.98	17.87	19.59	20.87	21.86
21	21.33	21.12	17.53	19.32	17.39	15.22	15.05	16.05	17.94	19.65	20.90	21.89
22	21.33	21.09	17.53	19.40	17.33	14.28	15.05	16.12	17.99	19.70	20.93	21.92
23	21.27	21.05	17.53	19.45	17.25	14.35	14.91	16.14	18.04	19.75	20.97	21.94
24	21.29	20.99	17.54	19.48	17.20	14.37	14.88	16.19	18.13	19.80	21.01	21.96
25	21.30	20.93	17.58	19.53	17.21	14.31	14.75	16.24	18.20	19.85	21.05	21.98
26	21.32	20.90	17.60	19.59	17.22	14.21	14.72	16.34	18.25	19.88	21.08	22.01
27	21.33	20.87	17.62	19.67	17.21	13.92	14.77	16.38	18.33	19.95	21.12	22.03
28	21.34	20.77	17.66	19.70	17.22	13.92	14.91	16.41	18.40	20.00	21.15	22.05
29	21.38	20.49	17.73	19.80	17.27	13.90	14.93	16.48	18.46	20.05	21.19	22.07
30	21.38	20.18	17.80	19.88	---	14.02	14.99	16.52	18.52	20.09	21.23	22.09
31	21.39	---	17.83	19.93	---	14.13	---	16.58	---	20.14	21.26	---
MAX	21.39	21.43	20.00	19.93	20.31	17.81	15.05	16.58	18.52	20.14	21.26	22.09

WTR YR 1984 MEAN 18.69 HIGH 13.90 LOW 22.09

BEST COPY AVAILABLE

FRANKLIN COUNTY--Continued

400101083021800. Local number, FR-10.

LOCATION.--Lat 40°01'01", long 83°02'18", Hydrologic Unit 05060001, Kenny and Ackerman Roads, Columbus.
Owner: Ohio State University..

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 4 in, depth 75 ft, cased.

DATUM.--Altitude of land-surface datum is 775 ft from topographic map. Measuring point: Floor of instrument shelter 4.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD --March 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 48.20 ft Oct. 7, 1954; minimum daily low, 37.76 ft Apr. 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 44.34 ft Sept. 26; minimum daily low, 40.73 ft May 20.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.61	43.38	43.07	42.73	42.38	42.19	41.55	41.05	40.83	42.03	43.55	43.83
2	43.55	43.31	43.03	42.66	42.36	42.25	41.52	40.99	40.78	42.14	43.20	43.72
3	43.44	43.26	42.93	42.57	42.21	42.33	41.47	40.78	40.86	42.52	43.11	43.78
4	43.38	43.22	42.84	42.43	42.15	42.29	41.25	40.83	41.23	42.20	43.07	43.88
5	43.43	43.14	42.82	42.32	42.25	42.07	41.06	40.87	41.00	42.09	43.09	43.98
6	43.57	43.13	42.88	42.33	42.47	42.14	41.28	40.87	41.29	42.10	43.09	43.99
7	43.60	43.16	42.89	42.42	42.59	42.19	41.42	40.82	41.29	42.23	43.12	43.98
8	43.59	43.17	42.93	42.50	42.59	42.32	41.43	40.78	41.24	42.33	43.15	43.99
9	43.63	43.15	42.93	42.51	42.47	42.32	41.33	40.87	41.11	42.41	43.35	43.92
10	43.55	42.94	42.93	42.48	42.42	42.24	41.25	40.86	41.09	42.35	43.22	43.91
11	43.49	43.09	42.79	42.58	42.38	42.27	41.20	40.82	41.61	42.55	43.21	43.98
12	43.33	43.10	42.71	42.60	42.36	42.26	41.15	40.89	41.63	42.73	43.25	43.93
13	43.34	43.10	42.69	42.55	42.25	42.22	41.04	40.92	41.83	42.76	43.33	43.93
14	43.48	43.04	42.53	42.65	42.36	42.24	41.00	40.94	41.74	42.88	43.35	43.93
15	43.51	42.88	42.78	42.65	42.38	42.12	40.97	40.98	41.55	42.67	43.68	44.01
16	43.48	43.03	42.91	42.43	42.29	42.22	40.88	41.00	41.49	42.55	43.46	44.16
17	43.43	43.07	42.93	42.53	42.25	42.15	40.93	41.00	41.53	42.84	43.58	44.16
18	43.43	43.03	42.89	42.51	42.25	41.97	41.05	40.94	41.79	42.90	43.51	44.09
19	43.48	43.01	42.87	42.51	42.17	41.93	41.12	40.81	41.90	42.89	43.48	44.00
20	43.47	42.90	42.84	42.62	42.19	41.69	41.19	40.73	41.78	43.07	43.75	44.08
21	43.38	43.01	42.73	42.64	42.16	41.55	41.21	40.78	41.86	43.10	43.75	44.14
22	43.33	43.00	42.72	42.60	42.16	41.83	41.06	40.90	42.00	42.81	43.66	44.19
23	43.14	42.93	42.68	42.52	42.10	41.86	40.82	40.95	41.67	42.97	43.47	44.19
24	43.20	42.95	---	42.25	42.06	41.79	40.92	40.95	41.72	43.03	43.72	44.18
25	43.23	43.02	---	42.31	42.27	41.57	40.93	40.92	42.01	43.25	43.92	44.30
26	43.23	43.03	---	42.29	42.31	41.58	40.97	40.98	42.15	43.13	43.93	44.34
27	43.31	43.03	---	42.27	42.23	41.48	40.96	40.98	42.04	42.95	43.61	44.30
28	43.25	42.86	---	42.20	42.03	41.23	41.11	40.85	42.15	42.90	43.65	44.12
29	43.47	42.97	---	42.23	42.16	41.45	41.13	40.86	42.18	42.95	43.66	44.09
30	43.50	43.03	42.78	42.37	---	41.55	41.00	40.83	42.04	43.00	43.60	44.05
31	43.42	---	42.73	42.37	---	41.56	---	40.78	---	43.08	43.80	---
MAX	43.63	43.38	43.07	42.73	42.59	42.33	41.55	41.05	42.18	43.25	43.93	44.34

WTR YR 1984 MEAN 42.48 HIGH 40.73 LOW 44.34

GALLIA COUNTY

393638082103300. Local number, G-2.
LOCATION.--Lat 38°36'38", long 82°10'33", Hydrologic Unit 05090101, 5.9 mi east of Crown City.
Owner: State of Ohio.
AQUIFER.--Sand and gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled test water-table well, diameter 12 in, depth 65 ft, cased.
DATUM.--Altitude of land-surface datum is 552 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--June 1975 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 33.94 ft Oct. 4, 1982; minimum daily low 16.43 ft Mar. 8, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL
Apr. 20, 1984	24.75

GREENE COUNTY

394411083561300. Local number, GR-1.

LOCATION.--Lat 39°44'11", long 83°56'13", Hydrologic Unit 05090202, along Massies Creek near U.S. 68 north of Xenia.

Owner: Xenia Water Deptartment.

AQUIFER.--Sand and Gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 30 in, depth 77 ft, cased.

DATUM.--Altitude of land-surface datum is 818.88 ft. Measuring point: Floor of instrument shelter 4.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 21.60 ft July 7, 1916; minimum daily low, 0.70 ft above land surface Aug. 3, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 10.37 ft Sept. 28; minimum daily low, 5.52 ft Apr. 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.19	8.11	7.69	7.79	8.68	8.19	6.91	7.24	7.77	8.19	9.17	9.63
2	9.08	8.19	7.83	7.59	8.43	8.15	7.18	7.29	7.69	8.35	9.17	9.92
3	9.06	8.32	7.91	7.73	7.73	8.12	7.29	7.32	7.67	8.86	9.19	9.91
4	8.96	8.42	7.90	7.99	8.00	8.25	6.82	6.72	7.65	8.77	9.18	9.84
5	8.86	8.26	7.24	7.83	8.30	7.91	5.54	6.88	7.63	7.79	9.15	10.01
6	8.89	8.38	7.36	7.99	8.67	7.96	5.52	6.90	7.73	7.65	9.06	10.12
7	8.95	8.53	7.35	7.86	8.67	7.74	6.32	6.93	7.91	7.95	8.77	10.14
8	9.06	8.42	7.59	7.96	8.64	7.69	6.44	6.82	7.92	8.28	9.18	10.15
9	9.26	8.18	7.81	7.98	8.76	7.84	6.86	6.89	7.86	8.39	8.92	10.19
10	9.25	8.42	7.71	8.01	8.65	8.11	6.86	7.01	7.95	8.48	8.92	9.79
11	9.25	8.14	7.87	8.16	7.90	7.92	6.96	7.13	8.13	8.31	8.75	9.97
12	9.27	8.04	7.50	8.24	7.84	8.01	7.05	7.23	8.04	8.39	8.94	9.97
13	8.20	7.95	7.61	8.20	7.49	7.99	7.06	7.41	8.26	8.48	9.20	9.85
14	8.65	8.17	7.59	8.33	6.56	7.89	7.11	7.15	8.47	8.56	9.45	9.92
15	8.90	8.21	7.70	8.33	6.66	7.59	7.04	7.39	7.99	8.64	9.50	9.99
16	8.99	7.95	7.90	8.43	6.87	6.00	7.07	7.51	7.97	8.54	9.62	9.92
17	9.08	8.14	8.07	8.49	7.30	6.50	7.13	7.53	8.45	8.46	9.68	9.93
18	9.09	8.16	8.15	8.35	7.30	6.82	7.13	7.39	8.49	8.52	9.75	9.58
19	9.05	8.16	8.17	8.64	7.47	7.03	7.15	7.52	8.44	8.67	9.69	9.66
20	9.08	8.23	8.21	8.76	7.72	6.65	7.31	7.55	8.44	8.61	9.52	9.80
21	8.39	8.16	8.24	8.81	7.71	5.59	7.37	7.42	8.47	8.76	9.37	9.98
22	8.29	8.22	8.10	8.83	7.73	5.76	[illegible]	7.45	8.46	8.86	9.37	9.92
23	8.22	7.78	7.91	8.98	7.80	6.03	[illegible]	7.42	8.47	9.33	9.27	10.25
24	8.16	7.45	7.60	8.31	7.87	6.28	6.85	7.31	8.41	9.34	9.28	10.24
25	7.89	7.54	7.65	8.16	7.77	6.37	7.07	7.45	7.98	9.36	9.36	10.25
26	7.95	7.75	7.93	8.09	7.84	6.63	7.15	7.51	8.03	9.31	9.26	10.27
27	8.12	7.99	7.45	8.24	7.88	6.60	7.34	7.52	8.10	9.39	9.35	10.32
28	8.23	6.51	7.62	8.39	7.97	6.60	7.19	7.32	8.18	9.37	9.58	10.37
29	8.63	7.31	7.70	8.36	8.20	6.62	7.19	7.39	8.23	9.26	9.49	10.36
30	8.64	7.58	7.60	8.42	---	6.81	7.13	7.47	8.25	9.10	9.37	10.36
31	8.46	---	7.80	8.71	---	6.97	---	7.60	---	9.17	9.59	---
MAX	9.27	8.53	8.24	8.98	8.76	8.25	7.37	7.60	8.49	9.39	9.75	10.37

WTR YR 1984 MEAN 8.18 HIGH 5.52 LOW 10.37

GREENE COUNTY--Continued

394425083551100. Local number, GR-10.
LOCATION.--Lat 39°44'25", long 83°55'11", Hydrologic Unit 05090202, in well field along Massies Creek north of Xenia.
Owner: Xenia Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 100 ft, cased.
DATUM.--Altitude of land-surface datum is 835 ft, from topographic map. Measuring point: Floor of instrument shelter at land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 20.40 ft Nov. 5, 1977; minimum daily low, 0.15 ft Feb. 1, 1982.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 10.19 ft Sept. 23; minimum daily low, 5.06 ft Nov. 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.76	6.23	5.49	---	6.97	6.75	7.68	8.16	6.55	9.26	7.53	10.07
2	8.76	7.07	5.60	---	6.91	6.80	7.80	8.22	6.59	9.34	7.59	10.11
3	8.71	6.96	5.67	---	7.28	6.88	7.80	8.27	6.60	9.44	7.60	8.52
4	8.71	6.96	7.17	---	7.41	7.62	7.69	8.06	6.29	9.44	9.40	8.39
5	7.57	6.91	7.17	---	7.58	8.84	6.77	8.07	6.38	8.98	7.99	9.39
6	7.50	6.12	7.24	---	7.70	8.97	6.53	7.27	6.48	9.01	9.60	9.37
7	7.45	7.06	7.27	---	7.80	8.66	6.88	5.90	6.51	8.80	9.62	8.33
8	7.40	7.14	7.43	---	7.88	8.67	5.16	5.90	6.58	8.54	9.58	9.30
9	8.57	8.02	7.55	---	8.96	8.68	5.28	5.86	6.65	7.25	9.61	8.27
10	8.59	7.98	7.57	---	8.17	8.66	5.44	5.88	8.69	6.78	9.64	7.79
11	8.60	7.95	7.61	---	7.45	6.74	5.57	5.96	8.97	6.88	9.62	7.97
12	8.60	7.97	6.33	---	7.16	6.76	5.64	6.04	8.97	6.95	9.37	7.91
13	8.33	7.05	6.28	---	6.18	6.79	5.72	8.06	9.10	7.05	7.85	7.95
14	8.41	7.06	6.34	---	5.18	6.77	5.77	8.18	8.98	7.13	7.78	8.40
15	8.48	6.79	6.48	---	5.45	6.59	7.76	8.33	9.07	9.15	7.76	8.40
16	8.50	6.18	6.68	---	5.59	5.37	7.87	8.38	9.07	9.28	7.78	9.85
17	7.49	---	6.78	---	6.37	5.08	7.96	8.48	9.08	9.37	7.78	9.91
18	7.50	---	5.95	---	5.80	7.38	7.98	8.44	7.60	9.44	7.79	9.97
19	7.42	---	5.98	6.98	6.90	7.57	7.98	8.39	7.50	9.51	7.76	10.00
20	7.46	---	6.07	7.00	6.98	7.50	8.05	8.48	7.45	9.57	7.47	10.07
21	6.87	---	6.07	7.08	7.14	6.80	8.07	6.46	7.38	9.57	7.54	10.13
22	6.84	---	6.08	7.18	7.18	6.80	6.02	6.35	7.35	9.58	7.57	10.17
23	7.55	---	---	8.17	7.27	6.94	7.60	6.63	7.35	8.08	7.62	10.19
24	7.66	---	---	7.97	7.34	7.07	5.98	6.56	7.31	8.01	7.68	9.54
25	7.79	6.24	---	7.65	6.38	5.07	5.74	6.58	6.84	7.96	7.74	9.50
26	7.87	6.48	---	7.62	6.41	6.57	5.95	6.58	6.89	7.88	9.79	9.42
27	7.97	5.83	---	7.69	6.42	5.28	5.97	6.59	6.97	7.78	9.85	9.36
28	8.03	5.35	---	7.76	6.55	5.37	5.99	6.48	7.06	7.79	9.92	9.32
29	8.17	5.06	---	6.81	6.65	5.29	7.97	6.35	9.04	7.78	9.89	9.28
30	8.17	5.31	---	6.88	---	5.48	8.14	6.40	7.22	7.36	9.97	9.27
31	6.94	---	---	6.95	---	5.63	---	6.49	---	7.47	10.03	---
MAX	8.76	8.02	7.61	8.17	8.96	8.97	8.14	8.48	9.10	9.58	10.03	10.19

WTR YR 1984 MEAN 7.54 HIGH 5.06 LOW 10.19

HAMILTON COUNTY

391039084291500. Local number, H-11.

LOCATION.--Lat 39°10'39", long 84°29'15", Hydrologic Unit 05090203, 5.6 mi north of Riverfront Stadium in Cincinnati.

Owner: Procter and Gamble Company.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 6 in, depth 148 ft, cased.

DATUM.--Altitude of land-surface datum is 539 ft, from topographic map. Measuring point: floor of instrument shelter 2.23 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1939 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 129.72 ft Oct 25, 1948; minimum daily low, 72.75 ft Sept. 30, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL
May 1, 1984	71.45

HAMILTON COUNTY-Continued

391101084172100. Local number, H-3.
LOCATION.--Lat 39°11'01", long 84°17'21", Hydrologic Unit 05090202, southeast of Miamiville.
Owner: Indian Hills Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled test water-table well, diameter 4 in, depth 60 ft, cased.
DATUM.--Altitude of land-surface datum is 532.22 ft. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--August, 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 35.75 ft Aug. 29, 1955; minimum daily low, 15.60 ft Feb. 28, 1962.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 29.25 ft July. 24-25; minimum daily low, 20.70 ft Apr 6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.20	25.80	22.90	27.35	26.60	25.15	22.75	24.35	25.10	26.50	28.20	27.20
2	27.05	25.85	23.45	27.40	26.05	24.95	23.25	24.60	25.60	26.50	28.25	27.30
3	27.15	25.75	23.60	28.30	26.05	25.15	23.35	24.65	26.05	27.10	27.50	27.35
4	27.05	25.50	23.50	27.75	25.10	25.10	23.35	23.60	26.00	27.40	27.20	27.85
5	26.85	25.35	22.65	27.10	24.75	25.10	22.65	23.05	25.70	27.15	26.65	27.75
6	26.50	25.25	22.55	26.05	24.85	23.55	20.70	22.90	25.65	24.95	26.95	27.05
7	26.85	25.45	22.65	26.15	25.00	23.50	21.25	23.15	25.85	24.50	27.60	28.25
8	26.90	25.50	23.00	26.15	25.30	23.55	21.90	23.35	25.95	24.95	26.80	28.40
9	26.95	25.50	23.50	26.15	25.55	24.00	22.80	22.65	26.15	25.85	26.05	28.50
10	26.80	25.55	23.85	26.25	25.70	24.25	23.40	23.25	27.40	26.90	26.20	28.35
11	26.95	25.35	23.80	26.30	25.70	24.55	24.20	23.80	27.60	27.00	26.60	28.40
12	27.00	25.10	23.60	26.25	25.25	25.00	24.30	23.95	27.85	27.10	26.60	28.35
13	26.90	24.95	23.65	26.45	24.95	24.75	24.05	23.95	27.90	27.55	27.70	28.65
14	26.35	25.15	23.65	26.50	22.50	24.45	24.20	24.30	27.25	27.70	28.05	28.75
15	26.25	25.05	23.75	26.45	22.10	24.05	24.25	24.55	26.70	27.95	28.10	28.50
16	26.35	24.85	23.75	26.60	22.25	23.90	24.35	24.65	27.65	27.60	28.40	27.85
17	26.45	24.75	24.00	26.75	22.75	22.85	24.30	24.85	28.00	28.10	28.55	28.05
18	26.45	24.85	24.45	26.75	22.75	22.70	23.70	25.00	28.10	28.05	28.05	28.40
19	26.15	24.90	24.65	26.75	23.40	22.90	23.95	25.05	28.45	28.40	27.35	28.45
20	26.05	24.90	24.85	26.85	23.80	23.05	24.35	26.50	28.45	28.50	27.85	28.75
21	24.50	25.00	25.00	26.85	23.85	22.00	24.45	25.75	26.45	28.20	27.85	28.95
22	24.20	25.05	24.80	26.85	24.30	20.90	23.35	25.45	26.25	28.50	28.20	29.05
23	23.60	25.05	25.00	26.85	24.35	21.40	21.30	25.10	26.20	28.95	27.80	29.20
24	23.70	22.90	---	26.75	24.70	21.95	21.35	24.50	26.05	29.25	28.05	29.05
25	23.70	23.25	---	25.50	24.80	22.20	21.60	24.50	25.70	29.25	27.80	29.00
26	23.90	23.75	29.25	25.15	24.90	22.35	22.70	24.25	26.15	28.05	26.95	27.95
27	24.55	23.70	29.15	25.10	25.00	22.60	23.45	24.50	26.35	26.95	28.30	27.95
28	24.85	23.40	27.75	25.25	24.95	22.60	23.55	24.55	26.60	26.70	28.35	27.85
29	25.25	22.25	28.15	25.55	24.80	20.90	23.95	23.70	27.10	26.80	27.20	27.90
30	25.45	22.65	27.35	25.75	---	21.20	24.10	23.95	27.40	27.10	27.05	27.90
31	25.65	---	27.35	25.85	---	22.50	---	24.40	---	28.10	27.60	---
MAX	27.20	25.85	29.25	28.30	26.60	25.15	24.45	26.50	28.45	29.25	28.55	29.20

WTR YR 1984 MEAN 25.59 HIGH 20.70 LOW 29.25

391201084281600. Local number, H-10.
LOCATION.--Lat 39°12'01", long 84°28'16", Hydrologic Unit 05090203, Section Road, Cincinnati.
Owner: National Distillers.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 170 ft, cased.
DATUM.--Altitude of land-surface datum is 544.7 ft. Measuring point: Floor of instrument shelter 8.13 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--January 1944 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 121.58 ft Nov. 3, 10, 1950; minimum daily low, 62.23 ft Aug. 18, 1984.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 65.86 ft Nov. 12; minimum daily low, 62.23 ft Aug. 18.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	64.37	64.26	64.08	63.80	63.74	63.58	63.14	62.69	62.55	62.37	62.38
2	---	64.27	64.17	63.99	63.77	63.76	63.56	63.03	62.62	62.53	62.37	62.28
3	---	64.19	64.07	63.90	63.61	63.83	63.47	62.83	62.65	62.55	62.37	62.24
4	---	64.22	64.04	63.72	63.61	63.76	63.24	62.99	62.67	62.54	62.32	62.27
5	---	64.15	64.06	63.70	63.53	63.58	63.19	63.02	62.65	62.41	62.30	62.37
6	---	64.14	64.08	63.83	63.83	63.64	63.34	63.06	62.64	62.40	62.28	62.37
7	---	64.13	64.19	63.90	64.03	63.70	63.49	62.96	62.67	62.40	62.27	62.44
8	---	64.19	64.17	63.95	64.03	63.84	63.52	62.92	62.67	62.56	62.26	62.45
9	---	64.12	64.17	63.94	63.87	63.86	63.32	62.91	62.65	62.61	62.33	62.47
10	---	63.91	64.23	63.95	63.75	63.72	63.29	62.97	62.60	62.59	62.34	62.42
11	---	64.27	64.13	64.03	63.72	63.76	63.24	62.87	62.63	62.42	62.39	62.40
12	---	65.86	63.93	64.04	63.72	63.68	63.16	62.94	62.63	62.43	62.39	62.41
13	---	64.21	63.95	63.95	63.62	63.73	63.10	62.98	62.67	62.51	62.38	62.26
14	---	64.04	63.76	64.09	63.69	63.76	63.11	62.99	62.62	62.52	62.37	62.30
15	---	64.06	63.86	64.06	63.80	63.56	63.06	62.98	62.64	62.37	62.39	62.38
16	---	64.22	64.23	63.82	63.79	63.73	62.97	63.03	62.62	62.34	62.37	62.27
17	---	64.19	64.33	63.87	63.64	63.67	63.08	62.99	62.57	62.36	62.27	62.45
18	---	64.10	64.31	63.89	63.69	63.52	63.24	62.89	62.51	62.32	62.23	62.53
19	---	64.04	64.24	63.95	63.69	63.44	63.27	62.73	62.59	62.46	62.27	62.51
20	---	63.99	64.18	64.02	63.66	63.21	63.32	62.69	64.15	62.46	62.35	62.29
21	---	64.17	64.13	64.06	63.63	63.26	63.35	62.73	62.76	62.48	62.37	62.35
22	---	64.22	63.96	63.99	63.61	63.63	63.01	62.77	62.61	62.46	62.29	62.39
23	---	64.09	64.10	63.86	63.51	63.73	62.96	62.84	62.50	62.46	62.32	62.32
24	64.28	64.11	64.06	63.62	63.45	63.58	63.05	62.89	62.52	62.44	62.40	62.26
25	64.33	64.14	64.11	63.72	63.70	63.41	63.11	62.71	62.53	62.37	62.45	62.34
26	64.34	64.18	63.97	63.73	63.81	63.44	63.12	62.84	62.52	62.39	62.44	62.50
27	64.39	64.15	63.87	63.68	63.76	63.29	63.07	62.90	62.52	62.49	62.42	62.38
28	64.29	64.12	63.93	63.69	63.44	63.12	63.19	62.73	62.52	62.45	62.25	62.35
29	64.49	63.91	64.18	63.67	63.72	63.51	63.16	62.82	62.50	62.41	62.24	62.38
30	64.49	64.18	64.29	63.78	---	63.60	63.12	62.80	62.51	62.40	62.32	62.38
31	64.37	---	64.19	63.87	---	63.64	---	62.73	---	62.42	62.36	---
MAX	64.49	65.86	64.33	64.09	64.03	63.86	63.58	63.14	64.15	62.61	62.45	62.53

WTR YR 1984 MEAN 63.25 HIGH 62.23 LOW 65.86

HAMILTON COUNTY--Continued

391214084470100. Local number, H-1.

LOCATION.--Lat 39°12'14", long 84°47'01", Hydrologic Unit 05080003, Kilby Road 4 mi southeast of Harrison. Owner: Robert Weber.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 124 ft, cased.

DATUM.--Altitude of land-surface datum is 500 ft, from topographic map. Measuring point: Floor of instrument shelter 2.70 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--February 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 25.80 ft Jan. 18-20, 1964; minimum daily low, 14.00 ft Jan. 22, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 24.82 ft Oct. 12; minimum daily low, 19.00 ft Apr 23.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.68	23.78	22.43	22.31	22.74	22.35	21.16	20.83	21.77	---	23.26	23.92
2	24.69	23.78	22.57	22.35	22.74	22.39	21.29	20.92	21.86	---	23.35	23.94
3	24.72	23.80	22.61	22.39	22.68	22.41	21.33	20.94	21.93	---	23.33	23.95
4	24.73	23.81	22.61	22.47	21.91	22.41	21.32	20.48	22.01	---	23.38	23.96
5	24.72	23.82	22.27	22.56	22.10	22.41	20.71	20.77	22.05	---	23.41	23.98
6	24.74	23.83	22.12	22.60	22.37	21.75	19.76	20.80	22.10	---	23.37	24.00
7	24.75	23.84	22.07	22.62	22.54	21.84	20.17	20.78	22.16	---	23.41	24.02
8	24.76	23.85	22.13	22.68	22.61	21.93	20.51	20.80	22.21	---	23.41	24.06
9	24.77	23.87	22.34	22.70	22.66	22.11	20.70	20.92	22.26	---	23.42	24.07
10	24.80	23.87	22.41	22.75	22.68	22.14	20.94	21.03	22.31	---	23.44	24.09
11	24.81	23.70	22.42	22.74	22.62	22.21	21.05	21.12	22.37	---	23.36	24.12
12	24.82	23.42	21.24	22.76	22.19	22.23	21.16	21.19	22.42	---	23.33	24.14
13	24.56	23.47	21.28	22.83	22.19	22.23	21.18	21.24	22.47	---	23.33	24.16
14	24.45	23.51	21.40	22.89	21.88	21.83	21.24	21.31	22.50	22.98	23.43	24.18
15	24.48	23.51	21.53	---	22.07	21.83	21.23	21.43	22.50	23.00	23.49	24.20
16	24.49	23.33	21.71	---	22.15	20.45	21.21	21.51	22.54	23.07	23.53	24.21
17	24.50	23.23	21.78	---	22.18	20.70	20.85	21.58	22.56	23.10	23.57	24.23
18	24.43	23.27	22.05	---	22.20	21.05	20.49	21.62	22.63	23.13	23.59	24.26
19	24.55	23.29	22.13	---	22.29	21.17	20.70	21.67	22.66	23.17	23.62	24.27
20	24.46	23.29	22.18	---	22.36	21.17	20.84	21.72	22.69	23.19	23.65	24.30
21	23.97	23.19	22.21	---	22.40	20.24	20.85	21.72	22.69	23.23	23.68	24.32
22	23.98	23.20	22.21	---	22.43	20.32	19.35	21.43	22.72	23.25	23.70	24.33
23	23.67	23.20	21.89	22.87	22.48	20.70	19.00	21.42	22.74	23.28	23.73	24.34
24	23.71	22.37	21.92	22.85	22.49	20.75	19.11	20.95	22.72	23.33	23.76	24.33
25	23.71	22.49	21.94	22.56	22.36	20.81	19.32	20.93	22.72	23.33	23.79	24.21
26	23.71	22.43	21.97	22.58	22.28	20.67	19.97	21.33	22.66	23.33	23.81	24.01
27	23.71	22.45	21.98	22.43	22.24	20.85	20.30	21.46	22.69	23.32	23.83	23.98
28	23.73	21.93	22.01	22.58	22.27	20.89	20.49	21.48	22.70	23.21	23.83	23.99
29	23.73	21.94	22.09	22.64	22.30	20.57	20.62	21.51	---	23.26	23.85	24.09
30	23.74	22.30	22.21	22.67	---	20.90	20.72	21.58	---	23.30	23.86	24.14
31	23.77	---	22.30	22.66	---	21.06	---	21.63	---	23.28	23.89	---
MAX	24.82	23.87	22.61	22.89	22.74	22.41	21.33	21.72	22.74	23.33	23.89	24.34

WTR YR 1984 MEAN 22.58 HIGH 19.00 LOW 24.82

HAMILTON COUNTY--Continued

391324084272500. Local number, H-9.

LOCATION.--Lat 39°13'24", long 84°27'25", Hydrologic Unit 05090203, 9.1 mi north of Riverfront Stadium in Cincinnati.
Owner: Diamond National Corporation.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth drilled 168 ft present depth 163 ft, cased.

DATUM.--Altitude of land-surface datum is 555.30 ft. Measuring point: Floor of instrument shelter, 2.76 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 1938 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low 136.80 ft Nov. 9, 1947, Feb. 15, 1948; minimum, daily low, 67.57 Sept. 30, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL
May 1, 1984	65.74

HAMILTON COUNTY--Continued

391341084275300. Local number, H-8.

LOCATION.--Lat 39°13'41", long 84°27'53", Hydrologic Unit 05090203. Vine and Water Streets, Wyoming.
Owner.--Wyoming Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 194 ft, cased.

DATUM.--Altitude of land-surface datum is 576.2 ft. Measuring point: Top of platform 3.30 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 148.86 ft Dec. 1, 1948; minimum daily low, 91.05 ft May 3, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 100.10 ft Oct. 6; minimum daily low, 92.45 ft Sept. 14.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.00	95.30	95.70	96.05	97.75	93.95	93.65	93.70	93.60	94.85	94.05	94.10
2	99.70	95.20	95.55	95.65	94.65	94.00	93.55	95.35	96.85	94.80	94.00	98.00
3	95.85	95.00	95.35	95.50	94.35	94.20	93.50	93.00	93.80	94.85	93.75	94.30
4	98.40	98.05	95.25	95.50	94.15	94.10	93.10	93.15	93.75	94.70	93.65	93.85
5	95.65	94.95	95.35	95.10	94.45	93.65	93.05	93.40	93.90	94.15	93.90	93.95
6	100.10	94.90	95.45	94.95	94.65	94.10	93.15	93.25	93.90	94.80	93.75	94.05
7	99.80	94.90	95.70	---	94.95	94.10	93.60	93.45	94.20	94.15	93.70	93.65
8	95.90	94.95	99.75	95.65	94.80	94.25	93.55	93.35	97.75	94.30	93.60	93.45
9	95.95	94.75	95.80	95.65	94.55	98.25	93.40	93.25	98.10	94.25	93.50	93.35
10	95.85	94.50	100.00	95.35	94.35	94.55	93.35	93.50	98.85	96.65	93.55	93.10
11	99.35	94.75	98.80	95.55	94.30	94.30	93.25	93.10	94.85	94.05	93.50	93.35
12	95.30	94.95	95.65	95.40	94.30	95.70	93.00	93.80	98.65	94.40	93.65	92.85
13	95.35	98.55	98.65	95.45	94.05	97.85	92.95	93.50	95.05	94.55	93.75	92.50
14	95.65	94.65	95.05	95.40	94.25	93.75	92.95	93.75	97.00	98.40	93.95	92.45
15	95.65	94.45	95.45	95.30	94.35	93.30	92.95	93.85	94.85	94.50	93.90	92.75
16	95.60	97.30	99.85	94.95	94.05	97.00	92.80	93.85	94.90	94.35	94.05	93.00
17	95.60	94.75	99.80	95.15	94.25	96.80	93.00	93.85	94.95	94.15	95.80	92.95
18	95.50	94.70	99.75	95.10	94.10	93.30	93.20	93.70	94.60	94.60	93.50	92.75
19	95.50	94.55	96.05	95.25	94.00	93.15	93.30	93.60	94.65	94.65	93.75	92.60
20	95.45	94.45	95.90	95.40	94.05	92.55	93.50	93.55	94.55	94.45	93.75	92.65
21	95.45	94.65	95.50	95.50	94.10	92.60	93.35	93.50	---	94.55	93.95	92.65
22	95.15	95.35	99.50	95.35	93.95	93.15	92.95	96.95	94.30	94.95	93.95	93.00
23	94.95	95.10	95.75	95.10	93.75	93.75	92.75	97.25	93.95	95.00	93.40	94.10
24	95.20	95.50	95.95	94.55	93.75	93.50	93.00	93.85	94.10	95.15	93.60	92.90
25	95.35	95.55	95.75	94.65	94.05	93.35	93.05	93.55	94.05	94.80	93.90	92.50
26	95.15	95.65	95.70	94.75	94.20	93.35	93.25	93.85	93.85	94.30	93.95	92.75
27	95.35	95.35	99.15	94.95	93.60	93.00	93.20	93.85	94.00	94.10	94.00	93.45
28	95.40	95.15	99.85	94.40	93.65	92.55	93.45	94.15	94.15	94.25	93.85	92.70
29	95.60	95.35	99.85	94.50	93.95	93.15	93.35	93.70	94.25	94.10	93.65	92.45
30	95.55	95.55	100.10	94.80	---	93.50	93.40	93.65	94.60	94.20	93.65	92.80
31	95.40	---	98.75	94.90	---	93.60	---	93.75	---	94.10	94.05	---
MAX	100.10	98.55	100.10	96.05	97.75	98.25	93.65	97.25	98.85	98.40	95.80	98.00

WTR YR 1984 MEAN 94.70 HIGH 92.45 LOW 100.10

HAMILTON COUNTY--Continued

391442084262900. Local number, H-7.

LOCATION.--Lat 39°14'42", long 84°26'29", Hydrologic Unit 05090203, at Evendale.
Owner: General Electric Corp.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 6 in, depth 180 ft, cased.

DATUM.--Altitude of land-surface datum is 555.40 ft. Measuring point: Floor of instrument shelter 7.78 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April, 1941 to current year.

EXTREMES FOR PERIOFD OF RECORD.--Maximum daily low, 101.09 ft Jan. 29, 1964; minimum daily low, 43.17 ft Apr. 13, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 53.32 ft Nov. 25; minimum daily low, 47.61 ft Aug. 8.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.37	52.74	53.19	51.84	50.91	50.73	50.24	49.92	48.26	48.37	48.53	50.26
2	52.32	52.71	53.10	53.21	50.85	50.86	50.13	50.43	48.13	48.36	48.60	49.10
3	52.20	52.68	52.69	52.90	50.56	50.96	49.94	49.98	48.20	48.31	48.58	49.58
4	52.11	52.71	52.19	51.62	50.53	50.85	49.51	49.28	48.30	48.18	48.52	48.43
5	52.44	52.63	52.21	51.31	50.45	50.18	49.38	49.31	48.45	48.08	48.33	49.52
6	52.71	52.63	52.23	51.21	50.94	50.31	49.71	49.25	48.32	48.17	48.11	49.67
7	52.76	52.58	52.44	51.38	51.26	50.42	49.84	48.99	48.27	48.29	47.83	49.59
8	52.64	52.62	52.53	51.53	51.27	50.66	49.85	48.97	48.19	48.33	47.61	49.73
9	52.63	52.57	52.53	51.55	50.99	50.79	49.52	48.96	48.23	48.12	48.21	49.44
10	52.49	52.18	52.58	51.52	50.77	50.70	49.51	49.00	48.23	48.05	48.98	49.11
11	52.41	52.77	52.35	51.65	50.59	50.61	49.56	48.80	48.31	48.03	48.94	51.35
12	52.22	52.87	51.95	51.65	50.58	50.72	49.50	49.01	48.31	48.17	49.56	51.73
13	52.54	52.85	51.94	51.52	50.38	50.37	50.81	49.00	48.28	48.31	49.57	49.92
14	52.75	52.64	51.66	51.60	50.75	50.57	50.56	48.99	48.28	48.40	49.14	49.48
15	52.78	52.51	52.12	51.57	50.91	50.48	49.34	49.04	48.39	48.29	48.86	49.49
16	52.59	52.81	52.51	51.09	50.84	50.35	48.93	49.16	48.35	48.05	48.46	49.27
17	52.49	52.95	52.58	51.30	50.66	50.32	49.12	49.12	48.26	48.07	48.27	49.23
18	52.64	52.93	52.53	51.31	50.67	49.83	49.38	48.93	48.08	48.48	47.98	49.15
19	52.66	52.86	52.31	51.44	50.41	49.79	49.78	48.65	48.17	48.55	47.88	48.99
20	52.59	52.62	52.16	51.54	50.48	49.35	49.94	48.42	48.22	48.63	48.13	49.69
21	52.58	52.90	51.99	51.58	50.44	49.52	49.96	48.46	48.22	48.70	48.44	49.10
22	52.45	53.01	51.97	51.39	50.49	50.34	48.98	48.61	49.75	48.73	48.34	49.16
23	52.30	52.87	51.94	51.18	50.31	50.49	49.19	48.83	50.40	48.58	48.48	49.16
24	52.56	52.96	51.83	50.71	50.24	50.27	49.67	48.96	49.70	48.57	48.63	49.98
25	52.66	53.32	51.72	50.86	50.53	49.65	50.65	48.76	49.50	48.64	48.84	49.25
26	52.79	53.10	51.56	50.90	50.61	49.64	50.24	48.77	49.08	48.58	48.88	49.32
27	52.80	52.98	51.33	50.88	50.41	49.68	49.93	48.84	48.58	48.61	48.80	49.08
28	52.87	52.56	51.42	50.86	50.24	49.50	50.04	48.58	48.44	48.76	49.03	49.00
29	53.03	52.95	51.84	50.59	50.57	50.13	49.90	48.45	48.38	48.78	49.38	49.03
30	53.01	53.10	52.09	50.60	---	50.22	49.78	48.44	48.35	48.72	49.50	49.85
31	52.73	---	52.08	50.97	---	50.25	---	48.32	---	48.54	50.27	---
MAX	53.03	53.32	53.19	53.21	51.27	50.96	50.81	50.43	50.40	48.78	50.27	51.73

WTR YR 1984 MEAN 50.29 HIGH 47.61 LOW 53.32

HAMILTON COUNTY--Continued

391608084254400. Local number, H-6.
LOCATION.--Lat 39°16'08", long 84°25'44", Hydrologic Unit 05090203, water-treatment plant in Glendale.
Owner: Glendale Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 167 ft, cased.
DATUM.--Altitude of land-surface datum is 570.65 ft. Measuring point: Floor of instrument shelter 4.05 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--July, 1938 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 84.10 ft Oct. 14, 1960; minimum daily low, 23.10 ft Apr. 28, 1939.
EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 49.70 ft Sept. 22; minimum recorded daily low, 39.70 ft July 8.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.90	43.50	45.40	44.00	46.10	45.90	42.50	42.50	42.50	41.70	43.60	43.70
2	43.50	43.60	45.10	42.50	46.00	45.60	---	43.20	42.40	42.30	43.60	45.60
3	43.90	43.90	44.70	44.00	45.90	44.90	---	---	40.50	42.60	43.50	48.80
4	43.60	44.20	43.40	---	45.90	43.40	---	---	42.10	42.60	43.00	42.80
5	43.70	43.80	44.40	---	44.20	44.70	---	---	42.80	41.30	41.50	43.50
6	44.90	43.10	45.10	---	45.20	45.30	---	---	43.10	42.00	42.50	43.90
7	44.30	43.50	---	---	46.30	---	---	---	43.30	42.00	43.50	43.90
8	44.50	44.10	---	---	46.60	---	---	---	43.30	39.70	43.60	43.60
9	43.00	44.60	---	---	46.70	---	---	---	43.20	42.00	43.80	42.80
10	43.90	44.20	---	---	46.70	---	---	---	42.10	42.70	43.60	43.30
11	44.20	44.90	---	---	46.10	---	---	---	43.00	43.50	43.50	43.50
12	43.90	43.80	---	---	43.80	---	---	---	43.40	43.70	42.20	43.80
13	44.80	43.70	---	---	44.80	---	---	---	43.50	43.60	43.00	44.00
14	43.60	43.90	---	---	45.70	---	---	---	43.45	43.40	43.60	43.90
15	43.30	44.70	---	---	46.10	---	---	---	43.40	41.90	44.90	43.80
16	42.80	44.90	---	---	46.10	---	---	---	43.00	42.60	44.00	43.40
17	43.90	45.40	---	---	46.10	---	46.60	---	42.80	43.30	43.40	43.70
18	44.40	44.70	---	---	45.50	---	---	---	42.60	44.00	42.50	43.90
19	44.90	43.90	---	---	43.90	---	---	---	43.20	44.00	42.50	43.70
20	45.10	43.20	---	---	44.70	---	---	---	43.50	43.50	43.20	43.80
21	45.20	44.10	---	---	45.00	---	---	---	43.50	42.30	43.70	43.90
22	44.30	44.40	---	---	46.90	---	---	---	43.00	40.90	43.80	49.70
23	43.60	44.60	---	---	47.50	---	---	---	42.50	42.90	43.90	42.70
24	44.30	42.80	---	---	45.10	---	---	---	41.70	43.30	43.50	43.50
25	44.50	43.70	---	---	45.10	---	---	---	42.20	47.20	43.30	44.10
26	44.10	43.30	---	---	43.60	---	---	---	42.50	45.90	43.10	44.50
27	44.30	43.00	---	---	44.20	---	---	---	42.90	42.90	43.50	43.90
28	44.50	44.50	---	---	45.00	---	---	---	42.60	41.60	43.60	44.10
29	43.40	45.10	44.80	---	45.70	---	---	---	42.85	42.10	44.10	43.50
30	43.20	45.30	44.90	---	---	44.00	---	---	42.85	45.60	43.90	43.20
31	43.30	---	44.40	45.90	---	44.10	---	---	---	46.70	43.80	---
MAX	45.20	45.40	45.40	45.90	47.50	45.90	46.60	43.20	43.50	47.20	44.10	49.70

WTR YR 1984 MEAN 43.91 HIGH 39.70 LOW 49.70

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

391733084392400. Local number, H-2.

LOCATION.--Lat 39°17'33", long 84°39'24", Hydrologic Unit 05080002, East Miami River Road 1.5 mi south of Ross. Owner: Lee Wilhelm.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water table well, diameter 6 in, depth 89 ft, cased.

DATUM.--Altitude of land-surface datum is 534.21 ft, Measuring point: Floor of instrument shelter 8.97 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 24.37 ft Sept. 24, 25, 1972; minimum daily low 1.60 ft June, 16, 1958. (Water level above land surface but could not be measured during January 1959 flood.)

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 18.23 ft Sept. 15-16; minimum daily low, 10.70 ft Apr 9.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.88	17.03	15.54	16.17	17.62	16.16	12.06	12.32	14.96	16.76	17.31	18.08
2	17.89	17.09	15.56	16.29	17.71	16.20	12.34	12.67	15.06	16.78	17.45	18.08
3	17.89	17.15	15.61	16.33	17.74	16.23	12.57	13.01	15.16	16.79	17.56	18.07
4	17.95	17.19	15.69	16.43	17.68	16.24	12.82	13.23	15.26	16.90	17.59	18.04
5	18.02	17.22	15.68	16.52	17.42	16.26	12.83	13.41	15.37	16.76	17.59	17.97
6	18.03	17.24	15.61	16.64	17.15	16.26	12.36	13.49	15.51	16.56	17.52	17.93
7	18.03	17.24	15.50	16.74	16.98	16.17	11.40	13.56	15.66	16.40	17.59	17.92
8	17.96	17.26	15.35	16.86	17.04	16.06	10.80	13.71	15.81	16.22	17.66	17.92
9	17.90	17.37	15.27	16.93	17.18	16.08	10.70	13.87	15.91	16.08	17.68	17.90
10	17.93	17.54	15.26	17.07	17.29	16.23	11.08	13.97	15.97	16.09	17.71	17.94
11	17.92	17.66	15.33	17.16	17.33	16.37	11.51	14.14	15.98	16.25	17.73	17.95
12	17.99	17.66	15.38	17.24	17.32	16.43	11.84	14.36	16.08	16.43	17.69	18.05
13	18.00	17.63	15.36	17.33	17.16	16.48	12.15	14.50	16.23	16.57	17.56	18.13
14	17.97	17.56	15.18	17.38	16.99	16.48	12.49	14.58	16.42	16.59	17.47	18.20
15	17.81	17.48	15.21	17.38	16.73	16.43	12.75	14.66	16.54	16.59	17.53	18.23
16	17.71	17.41	15.30	17.40	16.42	16.32	12.95	14.75	16.63	16.63	17.59	18.23
17	17.74	17.37	15.35	17.49	16.15	16.00	12.96	14.86	16.73	16.73	17.64	18.14
18	17.85	17.37	15.41	17.57	15.98	15.17	12.88	14.93	16.79	16.82	17.65	18.06
19	17.89	17.43	15.49	17.67	15.86	14.38	12.68	14.95	16.90	16.86	17.65	---
20	17.89	17.49	15.58	17.77	15.83	13.72	12.67	15.00	16.96	16.89	17.64	---
21	17.83	17.50	15.60	17.87	15.89	13.31	12.77	15.11	16.63	16.89	17.65	---
22	17.63	17.43	15.67	17.95	15.95	12.77	12.75	15.11	16.72	16.87	17.68	---
23	17.39	17.30	15.75	18.05	15.99	12.04	12.60	15.02	16.82	16.88	17.69	---
24	17.17	17.10	15.86	18.13	16.03	11.45	12.00	14.91	16.83	16.97	17.70	---
25	16.97	16.67	15.92	18.11	16.09	11.21	11.30	14.74	16.83	17.09	17.70	---
26	16.80	16.25	15.95	18.02	16.09	11.26	10.83	14.60	16.75	17.16	17.68	---
27	16.72	16.03	15.93	17.92	16.08	11.30	10.92	14.59	16.65	17.16	17.63	---
28	16.72	15.96	15.95	17.81	16.03	11.36	11.29	14.70	16.67	17.13	17.70	---
29	16.81	15.93	16.12	17.66	16.09	11.50	11.50	14.74	16.74	17.07	17.80	---
30	16.88	15.75	16.17	17.57	---	11.58	11.95	14.78	16.76	17.04	17.97	---
31	16.96	---	16.12	17.52	---	11.74	---	14.85	---	17.17	18.06	---
MAX	18.03	17.66	16.17	18.13	17.74	16.48	12.96	15.11	16.96	17.17	18.06	18.23

WTR YR 1984 MEAN 16.09 HIGH 10.70 LOW 18.23

HAMILTON COUNTY--Continued

391748084393800. Local number, H-19.

LOCATION.--Lat 39°17'48", long 84°39'38", Hydrologic Unit 05080002, on left bank of Great Miami River 1.3 mi southwest of Venice.

Owner: Southwest Ohio Water Company.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Collector-type industrial supply water-table well, diameter 20 ft, depth 144 ft horizontal intakes at 95-100 ft.

PERIOD OF RECORD.--1964 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 26...	0930	770	8.1	3.0	15.0	16	330	76	86	28
FEB 22...	1630	740	7.6	16.0	15.0	<10	330	84	86	28
JUN 28...	0900	720	8.0	21.0	15.0	<10	280	44	85	17
AUG 14...	1400	720	7.5	30.0	16.5	<10	300	62	79	26

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, TOTAL (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 26...	254	81	64	.3	464	487	.020	1.50	1	10
FEB 22...	246	75	54	.5	352	411	.020	2.50	--	--
JUN 28...	239	70	47	.3	496	496	.020	2.80	--	--
AUG 14...	243	75	52	--	473	475	.020	2.20	1	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	10	12	12	140	5	5	270	40	18	1.6
FEB 22...	--	--	--	120	--	--	250	--	--	2.5
JUN 28...	--	--	--	220	--	--	250	--	--	1.2
AUG 14...	10	4	4	110	4	2	260	10	10	1.2

391817084393300. Local number, H-4.
LOCATION.--Lat 39°18'17", long 84°39'33", Hydrologic Unit 05080002, 0.7 mi southwest of Ross.
Owner: Southwestern Ohio Water Company.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 100 ft, cased.
DATUM.--Altitude of land-surface datum is 541.57 ft. (Levels by Miami Conservancy District.) Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 32.16 ft Nov. 20, 1971; minimum daily low, 11.60 ft June 16, 1958.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 24.43 ft Sept. 29; minimum daily low, 16.57 ft Apr. 26.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.40	23.86	22.37	---	---	22.30	17.78	17.59	19.49	21.21	22.51	23.51
2	24.35	24.01	22.41	---	---	22.36	18.06	17.79	19.63	21.32	22.55	23.33
3	24.27	24.09	22.49	---	---	22.40	18.34	17.84	19.73	21.43	22.63	23.17
4	24.31	24.14	22.40	---	---	22.41	18.46	17.87	19.86	21.51	22.77	23.37
5	24.32	24.18	22.39	---	---	22.28	18.46	17.97	19.95	21.53	22.86	23.39
6	24.33	24.11	22.37	---	---	22.27	17.93	18.01	20.04	21.45	22.86	23.52
7	24.38	24.13	22.29	---	---	22.21	17.28	18.04	20.12	21.39	22.83	23.56
8	24.41	24.19	22.16	---	---	22.13	16.92	18.08	20.22	21.36	22.84	23.75
9	24.25	24.12	22.10	---	---	22.06	16.82	18.12	20.31	21.22	22.84	23.85
10	24.06	23.88	22.08	---	---	21.77	17.03	18.24	20.50	21.32	22.88	23.90
11	24.22	23.71	21.85	---	---	21.47	17.31	18.26	20.58	21.40	22.99	23.92
12	24.34	23.57	21.53	---	---	21.41	17.61	17.94	20.63	21.41	22.99	23.95
13	24.41	23.43	21.25	---	---	21.64	17.86	17.94	20.65	21.51	22.92	24.01
14	24.41	23.40	20.88	---	---	21.72	17.91	18.14	20.70	21.54	22.92	24.05
15	24.20	23.63	20.62	---	---	21.76	17.80	18.63	20.74	21.66	22.99	24.06
16	23.92	23.73	20.48	---	---	21.76	17.97	18.80	20.78	21.73	23.04	23.97
17	23.72	23.59	20.46	---	---	21.55	18.04	18.94	20.86	21.80	23.11	23.99
18	23.57	23.33	20.51	---	---	21.03	18.03	19.10	20.96	21.90	23.17	24.09
19	23.62	22.93	20.73	---	---	20.07	17.96	19.27	21.01	22.00	23.19	24.15
20	23.94	22.78	21.11	---	---	19.59	17.78	19.33	21.03	22.09	23.21	24.21
21	24.01	23.16	21.39	---	21.98	19.46	17.47	19.43	20.94	22.11	23.27	24.28
22	24.02	23.40	21.40	---	22.07	19.05	17.30	19.43	20.79	22.19	23.33	24.30
23	24.02	23.51	21.41	---	22.20	18.64	17.25	19.40	20.90	22.23	23.37	24.12
24	23.74	23.51	21.22	---	22.31	18.34	17.13	19.38	20.88	22.28	23.43	24.22
25	23.70	23.40	---	---	22.37	18.14	16.76	19.24	20.64	22.34	23.49	24.29
26	23.69	22.80	---	---	22.37	18.03	16.57	19.22	20.73	22.39	23.52	24.30
27	23.75	22.62	---	---	22.36	17.91	16.65	19.11	20.83	22.43	23.56	24.31
28	23.82	22.44	---	---	22.32	17.84	16.95	18.89	20.92	22.51	23.56	24.41
29	23.86	22.38	21.31	---	22.31	17.84	17.18	18.95	21.04	22.51	23.51	24.43
30	23.80	22.38	---	---	---	17.92	17.41	19.18	21.15	22.46	23.53	24.25
31	23.64	---	---	23.52	---	17.95	---	19.34	---	22.48	23.57	---
MAX	24.41	24.19	22.49	23.52	22.37	22.41	18.46	19.43	21.15	22.51	23.57	24.43

WTR YR 1984 MEAN 21.55 HIGH 16.57 LOW 24.43

HARDIN COUNTY

404218083503700. Local number, HN-1.
LOCATION.--Lat 40°42'18", long 83°50'37", Hydrologic Unit 05060001, at grain elevator in Alger.
Owner: Village of Alger.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 40 ft, cased.
DATUM.--Altitude of land-surface datum is 975 ft, from topographic map. Measuring point: Floor of instrument shelter 1.5 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--April 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 22.15 ft Dec. 14, 1964; minimum daily low, 5.85 ft July 1, 1946.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 20.65 ft July 3; minimum daily low, 9.50 ft Apr 27.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.25	15.25	12.50	14.25	12.00	11.25	10.10	9.95	11.25	20.15	13.15	13.80
2	17.55	15.25	12.20	13.60	12.75	11.15	10.60	10.15	11.35	20.60	13.25	13.40
3	18.00	15.00	12.40	13.80	12.25	12.25	9.90	10.05	11.30	20.55	12.75	13.50
4	17.15	14.95	12.40	13.20	12.40	11.80	9.80	10.00	11.45	20.10	12.50	13.50
5	17.95	14.60	12.20	15.15	12.65	11.50	9.75	10.00	11.75	19.05	12.60	13.60
6	16.75	14.15	12.00	15.20	12.90	11.25	9.75	10.15	12.60	19.05	13.30	13.65
7	17.00	14.55	12.35	13.65	12.75	11.70	10.35	10.60	12.85	19.25	12.90	13.50
8	16.85	14.15	12.55	13.10	12.65	11.80	10.10	10.85	12.25	19.65	13.15	13.80
9	17.15	14.50	12.30	13.15	12.95	11.85	9.95	10.05	13.55	19.80	12.75	13.55
10	17.60	14.15	12.30	13.10	12.55	11.90	9.95	10.95	14.00	16.55	12.85	13.50
11	17.50	14.55	11.70	13.55	12.45	12.00	9.95	10.25	13.80	15.00	12.80	13.90
12	17.30	14.75	12.05	13.40	12.75	11.90	10.75	10.85	14.70	13.75	12.75	13.90
13	17.25	13.75	11.75	13.45	12.30	11.40	9.70	10.45	13.25	14.85	13.20	13.60
14	16.90	13.90	11.80	13.40	11.80	11.50	10.25	10.95	11.75	14.55	13.00	13.75
15	17.20	13.70	11.75	13.30	11.95	11.25	9.85	10.90	12.45	14.10	13.10	13.90
16	16.85	13.60	12.05	13.30	11.80	11.15	9.80	11.10	12.20	14.25	13.30	13.50
17	17.10	13.80	11.75	13.00	11.85	11.50	9.85	10.80	13.10	13.40	13.25	14.05
18	17.40	13.40	12.45	13.25	12.05	11.10	10.40	11.95	13.35	13.05	13.30	13.85
19	17.05	13.20	12.55	13.45	12.10	11.35	9.90	12.20	14.30	13.65	13.25	13.70
20	16.90	12.80	12.25	14.00	12.30	10.55	10.15	11.85	13.85	13.30	13.50	13.70
21	16.90	13.20	12.45	14.55	11.65	10.75	11.45	11.45	13.85	14.45	13.45	13.75
22	16.50	13.05	13.05	14.05	11.75	11.05	10.40	11.40	13.15	14.55	13.05	14.15
23	16.35	13.00	14.95	13.75	11.85	10.80	10.90	10.75	13.40	14.60	12.80	14.30
24	16.35	13.15	15.70	13.55	11.50	11.20	10.40	11.40	14.10	13.65	13.20	13.30
25	16.30	12.15	16.80	13.65	11.45	10.50	10.40	11.40	14.35	12.65	13.45	14.05
26	16.10	12.90	17.85	13.05	11.25	13.40	10.45	11.45	14.25	12.95	13.70	14.25
27	16.65	13.15	16.55	13.00	11.65	10.60	9.50	11.55	17.55	12.25	14.10	14.15
28	15.45	12.40	15.15	13.50	11.60	10.65	9.65	11.55	19.45	12.40	13.60	14.25
29	15.85	12.45	14.15	13.30	11.25	11.10	9.85	12.00	19.70	12.30	14.60	14.55
30	15.60	12.60	13.85	13.25	---	10.50	9.65	11.95	20.10	13.45	13.50	14.10
31	15.00	---	14.20	13.15	---	10.10	---	11.65	---	12.50	13.95	---
MAX	18.25	15.25	17.85	15.20	12.95	13.40	11.45	12.20	20.10	20.65	14.60	14.55

WTR YR 1984 MEAN 13.20 HIGH 9.50 LOW 20.65

HOCKING COUNTY

393200082235300. Local number, HK-1.

LOCATION.--Lat 39°32'00", long 82°23'53", Hydrologic Unit 05060002, at railroad yards southeast edge of Logan. Owner: Chessie System.

AQUIFER.--Sand and gravel of Quaternary Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 88 ft, cased.

DATUM.--Altitude of land-surface datum is 710 ft, from topographic map. Measuring point: Top of gage platform 4.90 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August 1962 to September 1982 continuous, preiodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 21.35 ft Dec. 21, 22, 1967; minimum daily low, 9.11 ft Apr. 22, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 25, 1983	16.83	Apr. 23, 1984	13.56

KNOX COUNTY

402344082300700. Local number, K-1.
LOCATION.--Lat 40°23'44", long 82°30'07", Hydrologic Unit 05040003, in city park, Mt. Vernon.
Owner: Mt. Vernon Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in, depth 90 ft, cased.
DATUM.--Altitude of land-surface datum is 1000 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--April 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 19.98 ft Oct. 1, 1983; minimum daily low, 1.43 ft Apr. 9, 1950.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 17.16 ft Oct. 12; minimum daily low, 7.05 ft May 28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.93	14.78	12.62	10.65	12.61	13.15	8.59	11.45		---	12.73	12.31
2	12.50	14.50	12.83	11.17	13.54	13.42	10.04	11.32		---	12.98	10.43
3	14.08	14.18	10.30	12.00	12.59	12.14	10.25	11.22		---	12.92	10.21
4	14.21	15.28	10.21	12.48	11.88	11.69	11.46	10.32		---	11.41	11.77
5	14.48	13.23	11.85	12.35	11.52	12.24	11.33	10.62		---	10.04	13.15
6	14.57	11.83	12.14	12.04	11.70	12.53	11.26	9.48		---	11.54	13.21
7	14.44	13.42	12.10	10.14	12.41	12.78	10.10	11.05		---	11.80	12.17
8	14.74	13.34	11.58	9.24	12.32	12.52	9.59	10.86		---	12.24	12.79
9	14.52	13.52	11.52	11.05	13.15	11.33	11.02	10.63		---	12.26	12.99
10	14.74	13.51	10.80	11.54	13.23	10.93	10.14	10.99		---	12.49	11.78
11	15.51	13.73	9.86	12.13	12.78	11.14	10.45	11.22		---	12.47	13.02
12	17.16	11.62	12.02	11.65	12.47	10.87	11.13	11.28		---	10.16	13.33
13	16.35	11.32	11.21	11.45	12.82	11.10	11.40	9.27		---	11.71	13.31
14	16.18	13.50	10.82	11.58	12.32	12.10	9.86	11.09		---	11.80	13.54
15	14.32	13.20	11.58	10.88	12.38	11.90	9.09	11.13		---	11.81	12.47
16	14.61	13.19	10.72	12.40	12.76	11.78	11.00	11.27		---	11.92	11.73
17	15.52	13.71	10.88	12.22	12.88	10.44	10.99	10.90		---	11.78	12.79
18	14.79	13.21	10.73	13.02	12.62	10.88	12.92	10.30		---	11.79	13.25
19	13.92	12.36	11.77	12.34	11.21	11.72	11.60	10.23		---	10.47	13.23
20	15.10	11.91	10.61	13.17	11.64	11.91	11.04	9.81		---	11.84	13.57
21	16.16	12.12	11.01	13.31	11.96	10.90	10.70	9.57		---	11.75	13.76
22	15.51	12.97	10.44	13.21	11.83	10.99	9.67	10.38		---	10.80	12.83
23	13.03	10.42	9.33	14.62	12.05	10.44	10.68	10.87		---	11.60	10.40
24	15.05	9.54	11.57	14.68	12.09	8.83	11.03	10.25		12.52	11.53	12.85
25	16.62	9.93	9.31	13.71	12.09	7.90	13.05	9.80		12.54	10.06	12.50
26	16.81	10.07	10.37	13.62	10.61	9.04	13.46	9.04		12.35	10.20	12.75
27	15.45	10.33	11.93	13.45	11.65	10.55	13.52	8.44		12.40	11.53	12.85
28	15.14	11.89	11.89	12.87	11.58	10.48	12.65	7.05		12.48	11.86	12.51
29	13.91	10.18	11.70	11.30	12.54	9.41	10.84	8.91		10.55	11.92	12.05
30	13.34	12.45	11.52	13.09	---	9.58	12.94	---		11.91	12.26	9.82
31	13.19	---	11.85	12.97	---	9.52	---	---		12.41	12.38	---
MAX	17.16	15.28	12.83	14.68	13.54	13.42	13.52	11.45		12.54	12.98	13.76

WTR YR 1984 MEAN 11.98 HIGH 7.05 LOW 17.16

MADISON COUNTY

395301083272200. Local number, M-2.

LOCATION.--Lat 39°53'01", long 83°27'22", Hydrologic Unit 05060002, U.S. 42 and Westmore Dr., London.
Owner: State of Ohio

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth 350 ft, cased.

DATUM.--Altitude of land-surface datum is 1035 ft, from topographic map. Measuring point: Floor of instrument shelter 1.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--August, 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 37.57 ft May 11, 1984; minimum daily low, 0.55 ft above land-surface Apr. 13, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 37.57 ft May 11; minimum daily low, 1.88 ft Apr. 17.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.61	21.87	19.20	---	14.96	13.41	6.77	35.33	4.07	22.27	23.02	11.54
2	24.04	23.77	19.14	---	15.74	15.15	5.41	35.31	8.67	21.64	22.96	9.43
3	24.10	22.88	16.96	---	15.52	14.14	4.54	34.93	6.19	19.02	21.92	9.16
4	25.24	22.54	15.99	---	16.93	12.92	3.82	35.40	17.47	17.17	15.11	10.97
5	25.72	22.79	20.53	---	---	13.39	3.23	35.59	17.92	21.31	12.03	11.85
6	24.42	22.36	18.19	---	---	12.38	3.06	35.67	21.12	22.93	14.98	11.71
7	24.70	23.07	15.92	---	18.26	12.27	2.98	35.74	22.38	15.16	10.95	11.42
8	25.20	24.23	19.30	---	17.45	11.37	2.90	35.82	23.67	11.70	9.32	9.39
9	25.46	23.26	17.30	---	18.82	11.17	2.61	35.96	24.12	9.58	8.37	7.35
10	24.9[illegible]	25.42	15.69	---	19.56	10.28	2.43	36.01	25.71	8.21	7.79	5.56
11	24.42	24.17	15.81	---	18.83	9.40	2.30	37.57	30.71	18.10	7.38	5.21
12	25.37	23.23	15.43	---	18.31	13.36	2.20	37.22	31.66	18.99	7.05	11.29
13	24.82	22.52	12.74	---	19.60	12.39	2.08	37.19	32.06	26.72	6.78	9.92
14	25.23	22.87	9.82	---	19.85	10.28	2.05	37.21	32.19	27.77	6.57	7.34
15	23.96	23.05	8.24	---	20.03	16.09	1.99	37.10	28.62	28.13	6.43	5.50
16	23.59	21.79	9.44	---	22.36	13.87	1.90	24.32	24.35	26.41	6.34	5.30
17	24.12	21.77	10.13	---	19.40	12.91	1.88	17.47	22.34	29.13	6.25	5.02
18	27.10	19.78	8.40	---	15.98	12.44	1.98	13.42	26.08	29.31	6.15	5.77
19	34.70	20.32	10.49	11.72	15.01	11.64	11.34	10.75	26.61	25.23	6.08	5.61
20	34.92	21.19	---	10.34	14.99	8.01	9.36	19.38	29.67	26.04	6.09	5.47
21	29.51	20.52	---	14.91	15.18	10.80	5.94	20.78	24.35	26.35	6.05	5.48
22	26.47	19.98	---	17.37	15.48	10.38	4.50	21.64	21.94	17.19	9.58	5.50
23	24.81	20.89	---	19.16	15.31	9.92	3.42	21.73	22.73	22.04	7.84	5.47
24	25.34	19.20	---	17.23	16.01	10.80	2.87	14.28	20.40	27.85	6.81	5.40
25	25.83	20.67	---	18.37	16.14	10.14	2.63	10.58	13.95	26.32	6.37	5.32
26	25.43	18.88	---	19.92	13.16	6.71	13.30	8.38	19.66	17.27	6.07	5.37
27	25.00	19.19	---	16.18	9.80	9.46	23.68	7.15	16.55	18.36	11.12	5.37
28	21.41	19.77	---	14.70	11.69	10.50	27.92	6.08	21.75	15.31	19.23	5.33
29	22.88	20.68	---	14.86	11.96	11.33	30.28	5.31	21.98	11.87	14.86	5.33
30	23.31	19.75	---	19.36	---	10.68	31.85	4.83	23.97	23.02	19.28	5.28
31	22.52	---	---	15.02	---	9.84	---	4.40	---	22.81	15.91	---
MAX	34.92	25.42	20.53	19.92	22.36	16.09	31.85	37.57	32.19	29.31	23.02	11.85

WTR YR 1984 MEAN 16.71 HIGH 1.88 LOW 37.57

MADISON COUNTY--Continued.

395357083304400. Local number, M-4

LOCATION.--Lat 39°53'57", long 83°30'44" Hydrologic Unit 05060002, 3.5 mi northwest of London, Ohio.
Owner.--State of Ohio.

AQUIFER.--Sand and gravel of Pleistoncene Age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 10 in, depth 49 ft, cased.

DATUM.--Altitud of land surface datum is 1,112 ft, from topographic map. Measuring point: Floor of instrument shelter 4.00 ft above land surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 25.55 ft June 6, 1983; minimum daily low 0.65 ft Aug. 24, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 21.30 ft Oct. 12; minimum daily low, 1.75 ft Apr. 27.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.60	11.50	---	16.05	16.10	15.00	6.90	2.10	1.75	9.05	12.65	12.75
2	18.60	11.45	---	16.10	16.35	15.00	6.85	2.25	3.45	9.15	12.95	12.80
3	18.95	11.45	---	16.10	16.10	15.10	6.85	4.50	3.85	9.40	13.10	12.80
4	18.85	11.45	---	16.10	15.95	15.10	6.75	4.95	4.65	9.45	13.15	12.90
5	19.20	13.55	---	16.00	16.05	15.05	6.35	2.15	4.85	9.50	13.30	12.90
6	21.15	13.65	---	15.35	16.15	14.90	6.20	1.85	4.95	10.10	13.30	13.00
7	20.30	11.75	---	15.40	16.20	14.75	5.10	1.95	7.60	10.25	13.25	15.55
8	19.65	---	8.40	15.40	16.20	14.75	5.05	4.75	7.85	10.25	13.20	15.65
9	19.85	---	8.45	15.45	16.25	14.80	4.95	2.40	13.80	10.15	13.25	13.25
10	19.90	---	---	15.35	16.20	14.75	4.95	2.45	14.65	10.20	13.30	13.15
11	21.15	---	---	15.25	15.95	14.85	2.50	2.30	15.25	10.40	13.35	13.20
12	21.30	---	---	15.25	15.90	14.85	6.25	2.00	15.55	16.95	12.00	13.30
13	19.10	---	---	15.25	15.65	14.85	2.25	2.00	15.65	17.10	13.00	13.40
14	19.80	---	---	15.00	15.30	14.85	2.25	2.35	15.65	12.70	16.85	13.45
15	19.85	---	---	15.00	15.20	14.75	2.35	2.50	6.40	11.30	17.00	13.55
16	14.70	---	---	15.00	15.05	14.55	2.20	4.75	6.15	10.90	17.05	13.60
17	14.75	---	---	15.05	14.95	13.50	2.25	4.10	6.10	12.65	17.35	13.60
18	14.00	---	---	15.05	14.90	13.40	5.10	2.15	15.35	12.80	17.40	13.55
19	13.60	---	---	15.10	14.70	13.35	5.35	4.10	16.05	11.10	17.45	13.60
20	14.30	---	---	15.85	14.00	13.25	2.60	4.35	9.80	12.45	17.55	13.65
21	13.45	---	---	15.95	14.45	13.00	2.35	4.35	9.85	12.20	18.25	13.75
22	13.65	---	---	16.00	14.50	12.85	5.00	4.45	9.85	12.50	17.05	13.75
23	13.70	---	13.15	16.00	14.50	13.50	5.15	5.05	10.00	19.60	16.55	13.80
24	13.50	---	13.45	15.65	14.55	13.50	4.40	5.05	9.60	18.85	16.20	13.85
25	13.55	---	14.55	15.30	14.70	12.95	1.95	4.15	11.65	18.95	14.55	15.90
26	13.45	---	15.00	15.60	14.70	12.85	2.10	2.75	12.10	18.60	12.75	16.25
27	13.65	---	14.90	15.10	15.20	12.65	1.75	2.75	12.35	11.80	12.70	16.30
28	13.65	---	15.15	15.15	14.90	12.50	1.95	7.75	12.40	11.50	12.70	16.35
29	11.75	---	15.40	15.25	15.00	6.05	2.15	7.90	12.40	11.60	12.75	16.45
30	11.65	---	15.85	16.65	---	6.85	2.25	2.25	9.25	12.45	12.75	16.50
31	11.55	---	16.00	16.15	---	6.95	---	2.10	---	11.80	12.75	---
MAX	21.30	13.65	16.00	16.65	16.35	15.10	6.90	7.90	16.05	19.60	18.25	16.50

WTR YR 1984 MEAN 12.00 HIGH 1.75 LOW 21.30

MADISON COUNTY--Continued

395740083255700. Local number, M-3.
LOCATION.--Lat 39°57'40", long 83°25'57", Hydrologic Unit 05060002, 5.2 mi north of London.
Owner: State of Ohio.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth 290 ft cased to 145 ft.
DATUM.--Altitude of land-surface datum is 1,020 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--November 1974 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 10.03 ft Oct. 6, 1982; minimum daily low, 3.93 ft Feb. 25, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Nov. 8, 1983	8.39	Apr. 6, 1984	4.43

MAHONING COUNTY

410042080453800. Local number, MA-1.

LOCATION.--Lat 41°00'42", long 80°45'38", Hydrologic Unit, 05030103, in county fairgrounds at south edge of Canfield.
Owner: Canfield Water Department.

AQUIFER.--Sandstone of Pennsylvanian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 170 ft cased to 99.5 ft.

DATUM.--Altitude of land-surface datum is 1,160 ft, from topographic map. Measuring point: Floor of instrument shelter at land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water. Influenced by seasonal water demand at county fairgrounds.

PERIOD OF RECORD.--May 1946 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 110.75 ft Sept.18, 1946; minimum daily low, 30.35 ft Apr. 23, 1951.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 20, 1983	38.06	Mar. 30, 1984	34.32

MARION COUNTY

403413083170500. Local number, MN-4.
LOCATION.--Lat 40°34'13", long 83°17'05", Hydrologic Unit 05060001, 1.9 mi southeast of New Bloomington.
Owner: State of Ohio.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth drilled 290 ft, present depth 286 ft, cased to 33 ft.
DATUM.--Altitude of land-surface datum is 915.96 ft. Measuring point: Floor of shelter 3.00 ft above land-surface datum.
REMARKS.--Influenced by seasonal water demand for nearby wildlife refuge.
PERIOD OF RECORD.--January 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 32.57 ft Aug. 14, 1983. minimum daily low, 0.61 ft. Mar. 18, 1974.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 32.30 ft Oct. 6; minimum daily low, 4.24 ft Mar. 26.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.59	29.03	6.49	6.87	7.10	6.02	4.79	5.06	5.74	6.82	7.17	22.22
2	31.77	29.36	6.47	6.89	7.10	6.10	4.89	5.10	5.75	6.82	7.18	23.65
3	31.88	29.37	6.43	6.89	6.97	6.17	4.90	5.04	5.86	6.83	7.16	22.02
4	32.03	16.38	6.38	6.76	6.88	6.17	4.84	5.21	5.90	6.79	7.15	24.46
5	32.21	13.71	6.38	6.77	6.64	6.02	4.66	5.35	5.92	6.79	7.15	25.34
6	32.30	12.56	6.16	6.87	6.81	6.07	4.48	5.39	5.98	6.77	7.14	25.73
7	27.82	11.88	6.06	6.93	6.94	6.11	4.54	5.42	6.04	6.84	7.13	25.79
8	17.68	11.42	5.93	7.06	6.95	6.09	4.57	5.44	6.10	6.87	7.15	14.88
9	15.49	11.06	5.96	7.07	6.84	6.13	4.60	5.55	6.16	6.83	7.20	22.70
10	14.50	10.58	6.04	7.06	6.81	6.07	4.68	5.59	6.21	6.75	7.28	24.75
11	23.75	10.09	6.02	7.15	6.74	6.12	4.72	5.55	6.32	6.73	7.35	25.64
12	28.54	9.79	5.82	7.16	6.70	6.15	4.74	5.70	6.35	6.94	7.39	26.03
13	29.78	9.27	5.77	7.12	6.43	6.10	4.86	5.70	6.35	6.93	7.42	26.30
14	30.58	8.81	5.48	7.25	6.23	6.17	4.91	5.75	6.58	7.04	7.49	26.46
15	30.87	8.51	5.70	7.22	6.05	6.15	4.93	5.79	6.72	7.00	7.56	17.25
16	31.03	8.26	5.96	7.07	5.86	6.03	4.88	5.83	6.72	7.13	7.56	14.02
17	31.40	8.10	6.07	7.18	5.69	5.91	4.93	5.84	6.66	17.79	7.57	21.96
18	31.57	7.87	6.10	7.18	5.70	5.24	5.07	5.78	6.66	20.79	7.60	24.75
19	31.74	7.65	6.17	7.18	5.59	5.13	5.14	5.73	6.80	21.64	7.78	25.56
20	31.81	7.43	6.23	7.28	5.64	4.98	5.24	5.77	6.83	12.89	14.82	19.45
21	23.44	7.40	6.23	7.30	5.67	4.70	5.30	5.77	6.86	9.97	20.97	13.92
22	16.95	7.41	6.28	7.27	5.69	4.44	5.25	5.70	6.84	8.91	22.85	12.68
23	14.94	7.33	6.31	7.27	5.67	4.57	4.96	5.69	6.80	8.16	23.72	12.03
24	13.05	7.18	6.35	7.10	5.70	4.54	4.54	5.69	6.69	8.10	16.47	11.59
25	13.21	7.06	6.41	7.15	5.93	4.46	4.59	5.57	6.69	7.51	12.08	11.20
26	12.69	6.97	6.43	7.11	6.02	4.44	4.65	5.68	6.69	7.40	10.66	10.93
27	12.30	6.99	6.49	7.03	5.98	4.29	4.72	5.74	6.63	7.25	9.84	10.76
28	11.94	6.76	6.51	7.01	5.80	4.24	4.90	5.67	6.73	7.25	20.53	10.41
29	22.08	6.59	6.77	6.97	5.97	4.45	4.95	5.73	6.77	7.23	23.17	10.23
30	26.90	6.44	6.89	7.05	---	4.60	4.98	5.74	6.78	7.18	24.22	10.09
31	28.36	---	6.87	7.09	---	4.70	---	5.75	---	7.18	24.50	---
MAX	32.30	29.37	6.89	7.30	7.10	6.17	5.30	5.84	6.86	21.64	24.50	26.46

WTR YR 1984 MEAN 9.77 HIGH 4.24 LOW 32.30

MARION COUNTY--Continued

403443083230400. Local number, MN-1.

LOCATION.--Lat 40°34'43, long 83°23'04", Hydrologic Unit 05060001, SR 37 at Baptist Church in LaRue.
Owner: Village of LaRue.

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 100 ft, cased.

DATUM.--Altitude of land-surface datum is 930 ft, from topographic map. Measuring point: Floor of instrument shelter 3.30 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--March 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 14.72 ft Oct. 8, 1983; minimum daily low, 5.67 ft Jan. 23, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 14.72 ft Oct. 8; minimum daily low, 7.12 ft Mar. 22.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.99	12.69	8.47	10.60	10.76	9.58	8.39	8.97	10.11	11.37	12.29	13.40
2	14.01	12.59	8.65	10.70	10.82	9.59	8.69	9.11	10.13	11.43	11.73	13.41
3	14.03	12.40	8.87	10.62	11.00	9.76	8.64	9.18	10.14	11.50	12.55	13.41
4	14.02	12.03	8.74	10.77	10.80	9.80	8.60	9.27	10.81	11.35	12.57	13.27
5	13.96	11.92	8.60	10.73	10.10	9.72	8.20	9.49	10.89	11.02	---	13.23
6	13.94	11.85	8.10	10.67	9.84	9.70	7.39	9.67	10.80	11.18	---	13.14
7	14.54	11.94	7.70	10.79	9.95	9.58	7.63	9.64	11.10	11.12	---	13.28
8	14.72	11.92	7.95	10.90	10.01	9.53	7.85	9.64	11.03	11.07	---	13.73
9	---	12.07	8.15	10.84	10.06	9.69	8.13	9.70	11.01	11.01	---	13.88
10	---	12.11	8.46	10.84	10.08	9.61	8.33	9.75	10.95	11.21	---	13.28
11	---	11.29	8.44	10.83	9.93	9.74	8.51	9.84	11.10	11.29	---	13.50
12	---	10.15	8.20	10.92	9.86	9.78	8.66	9.86	11.10	11.37	---	14.12
13	---	9.81	7.72	10.80	9.76	9.85	8.73	9.75	11.10	11.24	---	14.08
14	---	9.84	7.89	10.88	8.90	9.89	8.92	9.76	11.09	11.58	---	13.72
15	---	9.80	8.18	10.74	8.38	9.80	8.90	9.81	11.07	11.71	---	13.82
16	---	9.55	8.46	10.80	8.38	9.55	8.47	10.04	10.88	11.63	---	13.93
17	---	8.99	8.72	10.80	8.50	7.78	8.48	10.21	11.06	11.53	---	14.00
18	---	8.87	8.96	11.03	8.67	7.83	8.51	10.23	11.11	11.62	---	13.81
19	---	9.08	9.13	11.04	8.65	8.05	8.60	10.37	11.34	11.79	---	13.89
20	---	9.20	9.24	10.91	8.92	8.01	8.81	10.91	11.34	11.71	---	13.93
21	---	9.26	9.29	11.03	8.92	7.38	9.00	10.51	11.33	11.68	---	13.87
22	---	9.29	9.46	11.01	9.06	7.12	8.95	10.15	11.45	11.97	---	13.88
23	---	9.25	9.42	11.00	9.15	7.72	8.22	9.93	11.23	12.32	---	13.90
24	---	9.06	9.66	10.99	9.23	7.71	7.50	9.71	10.69	12.32	---	13.81
25	---	8.79	9.95	10.82	9.37	7.86	7.70	9.84	11.07	12.03	---	13.59
26	---	9.01	10.07	10.66	9.48	7.32	7.94	9.76	10.95	12.04	---	13.54
27	---	9.09	10.39	10.37	9.37	7.33	8.24	9.76	10.90	12.09	---	13.61
28	12.28	8.78	10.63	10.30	9.38	7.55	8.54	10.20	10.92	11.83	---	13.64
29	12.42	8.09	10.69	10.47	9.57	7.85	8.64	10.37	11.36	11.75	13.10	13.44
30	12.54	8.31	10.90	10.62	---	7.96	8.81	10.22	11.32	12.15	13.15	13.42
31	12.73	---	10.73	10.87	---	8.25	---	10.24	---	12.29	13.01	---
MAX	14.72	12.69	10.90	11.04	11.00	9.89	9.00	10.91	11.45	12.32	13.15	14.12

WTR YR 1984 MEAN 10.46 HIGH 7.12 LOW 14.72

BEST COPY AVAIL.

MARION COUNTY--Continued

403601083110400. Local number, MR-2.

LOCATION.--Lat 40°36'01, long 83°11'04", Hydrologic Unit 05060001 water treatment plant 2 mi west of Marion. Owner: Marion Water Department.

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 67 ft, cased.

DATUM.--Altitude of land-surface datum is 910 ft, from topographic map. Measuring point: Floor of instrument shelter 2.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May, 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 49.50 ft Feb. 11, 1956; minimum daily low, 7.35 ft Apr. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 17.53 ft Feb. 12; minimum daily low, 12.10 ft Aug. 16.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.36	15.92	16.89	16.27	16.59	16.92	15.42	14.56	13.23	12.48	12.53	14.39
2	16.37	15.87	16.86	16.28	16.66	16.86	15.36	14.53	13.18	12.47	12.48	14.27
3	16.44	15.83	16.81	16.29	16.73	16.81	15.28	14.46	13.12	12.45	12.42	14.13
4	16.50	15.90	16.70	16.31	16.77	16.76	15.14	14.32	13.09	12.41	12.35	14.03
5	16.56	15.99	16.76	16.32	16.91	16.62	14.98	14.31	13.05	12.36	12.30	13.99
6	16.56	15.99	16.69	16.25	17.02	16.52	15.00	14.29	13.00	12.40	12.24	13.93
7	16.56	16.04	16.74	16.26	17.18	16.50	15.02	14.19	12.97	12.53	12.18	13.84
8	16.56	16.06	16.78	16.20	17.27	16.45	14.97	14.13	12.91	12.56	12.21	13.78
9	16.57	16.08	16.79	16.17	17.37	16.48	14.85	14.00	12.87	12.53	12.29	13.71
10	16.57	15.97	16.78	16.08	17.46	16.40	14.83	13.97	12.85	12.49	12.32	13.82
11	16.53	15.87	16.74	16.06	17.51	16.28	14.75	13.88	12.83	12.49	12.29	13.90
12	16.50	16.02	16.63	16.01	17.53	16.26	14.66	13.81	12.82	12.49	12.26	13.89
13	16.39	16.03	16.63	15.93	17.46	16.18	14.55	13.80	12.76	12.48	12.20	13.80
14	16.37	16.05	16.59	15.91	17.34	16.12	14.47	13.81	12.74	12.48	12.15	13.71
15	16.37	16.00	16.67	15.87	17.24	16.08	14.37	13.81	12.73	12.46	12.12	13.66
16	16.36	16.09	16.76	15.74	17.18	16.01	14.27	13.83	12.72	12.37	12.10	13.65
17	16.39	16.18	16.80	15.69	17.16	16.01	14.20	13.79	12.68	12.33	12.28	13.65
18	16.34	16.24	16.77	15.65	17.19	16.01	14.45	13.59	12.62	12.68	12.36	13.70
19	16.31	16.26	16.70	15.57	17.19	16.01	14.54	13.63	12.59	13.01	12.49	13.73
20	16.29	16.33	16.63	15.55	17.21	15.87	14.63	13.55	12.59	13.17	12.58	13.77
21	16.25	16.42	16.54	15.50	17.30	15.67	14.63	13.50	12.58	12.95	12.82	13.93
22	16.20	16.46	16.48	15.46	17.32	15.61	14.58	13.53	12.56	12.82	13.07	13.98
23	16.08	16.44	16.39	15.41	17.30	15.61	14.59	13.55	12.52	12.68	13.34	13.98
24	16.13	16.49	16.35	15.43	17.22	15.53	14.77	13.57	12.51	12.63	13.56	14.27
25	16.14	16.56	16.30	15.40	17.21	15.46	14.84	13.46	12.54	12.68	13.73	14.35
26	16.05	16.61	16.25	15.53	17.23	15.45	14.83	13.48	12.54	12.69	13.83	14.62
27	16.05	16.65	16.17	15.76	17.14	15.35	14.83	13.49	12.48	12.78	13.75	14.74
28	16.00	16.68	16.12	15.84	16.97	15.32	14.78	13.41	12.49	12.78	14.07	14.91
29	16.03	16.84	16.22	16.09	16.96	15.45	14.76	13.36	12.49	12.77	14.20	14.99
30	16.03	16.91	16.25	16.29	---	15.47	14.61	13.35	12.49	12.68	14.36	15.09
31	15.95	---	16.26	16.45	---	15.49	---	13.30	---	12.58	14.45	---
MAX	16.57	16.91	16.89	16.45	17.53	16.92	15.42	14.56	13.23	13.17	14.45	15.09

WTR YR 1984 MEAN 14.92 HIGH 12.10 LOW 17.53

MEDINA COUNTY

410120081431800. Local number, MD-3.

LOCATION.--Lat 41°01'20", long 81°43'18", Hydrologic Unit 05040001, Auble Street at water treatment plant in Wadsworth.
Owner: Wadsworth Water Department.

AQUIFER.--Sandstone of Mississippian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diamter 12 in, depth 275 ft, cased.

DATUM.--Altitude of land-surface datum is 1180 ft, from topographic map. Measuring point: Floor of instrument shelter 1.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--December 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 186.74 ft Jan. 21, 1975; minimum daily low, 140.60 ft Apr. 16, 1983

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 168.30 ft Oct. 14, Jan. 11-12, 14-15; minimum daily low, 144.60 ft Sept. 3.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167.30	165.50	166.20	167.60	165.30	164.40	166.30	163.40	164.80	164.30	150.70	162.10
2	168.00	167.00	166.10	167.80	165.25	165.90	166.40	163.50	165.00	165.20	160.80	161.50
3	168.00	167.70	165.90	167.90	165.90	165.50	166.40	163.30	165.30	152.00	148.50	144.60
4	166.40	166.30	165.30	166.70	164.90	165.90	166.30	163.10	165.70	151.40	147.80	159.90
5	166.30	165.70	165.40	166.90	164.10	165.70	165.70	163.30	165.70	150.70	147.40	161.30
6	166.40	165.60	165.20	167.60	164.40	166.30	166.00	163.20	165.80	148.70	---	161.30
7	166.50	167.20	167.20	167.80	166.30	166.35	165.90	163.10	165.90	149.50	---	161.10
8	166.40	167.70	167.30	166.40	166.50	166.40	166.00	162.90	165.90	147.20	---	---
9	165.70	166.40	167.30	167.50	166.50	166.50	164.70	163.00	166.00	147.90	---	---
10	165.40	167.20	167.50	167.95	166.50	165.80	165.70	164.20	166.00	148.10	---	---
11	165.50	167.30	166.10	168.30	166.20	166.50	165.70	164.50	166.80	148.10	---	---
12	165.50	166.20	167.20	168.30	166.30	165.50	164.20	164.00	167.10	157.30	---	---
13	168.00	166.10	167.30	167.90	166.20	166.45	165.40	164.50	167.70	161.10	---	---
14	168.30	165.90	166.60	168.30	166.30	166.50	165.40	164.60	167.80	150.30	---	---
15	165.90	167.20	167.20	168.30	166.30	166.00	165.10	165.20	165.70	160.90	---	---
16	166.00	167.20	166.20	167.40	166.40	166.60	163.50	165.30	---	149.70	---	---
17	166.00	166.10	167.60	167.90	164.95	166.00	164.80	164.80	163.00	148.70	---	---
18	166.00	167.70	167.70	167.90	165.95	166.50	164.00	165.00	164.70	148.30	---	---
19	167.60	167.80	166.30	167.90	165.90	166.60	---	164.20	165.10	148.30	---	---
20	167.90	166.10	167.70	168.10	164.50	165.50	---	164.30	164.40	160.70	---	---
21	166.50	165.70	167.70	167.70	166.10	165.90	---	164.30	165.10	159.90	---	---
22	166.90	167.40	167.20	168.00	166.20	164.90	---	164.70	165.15	150.50	---	---
23	165.60	167.70	167.40	168.10	164.90	166.40	---	165.30	165.20	160.40	---	---
24	165.30	168.00	166.20	167.90	165.50	166.50	---	165.40	165.20	161.90	---	---
25	167.20	167.10	166.00	168.00	165.60	165.40	---	165.40	164.70	151.20	---	---
26	167.20	167.80	165.90	168.10	165.40	165.90	---	165.80	166.15	161.10	---	---
27	166.00	166.60	166.70	168.00	164.90	166.10	---	165.90	166.90	148.10	---	---
28	167.70	167.20	167.10	166.00	165.00	164.80	---	164.70	166.90	148.20	---	---
29	167.50	166.20	167.90	166.40	164.30	165.80	---	164.40	165.50	---	---	---
30	165.20	166.20	168.20	165.30	---	166.20	---	163.80	165.60	---	---	---
31	165.30	---	168.20	165.35	---	166.00	---	164.50	---	---	162.10	---
MAX	168.30	168.00	168.20	168.30	166.50	166.60	166.40	165.90	167.80	165.20	162.10	162.10

WTR YR 1984 MEAN 164.55 HIGH 144.60 LOW 168.30

MERCER COUNTY

402833084375200. Local number, MR-2.

LOCATION.--Lat 40°28'33", long 84°37'52", Hydrologic Unit 05120101. at AVCO Mfg. Co. building in Coldwater. Owner: AVCO Mfg. Company.

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 253 ft, cased.

DATUM.--Altitude of land-surface datum is 915 ft, from topographic map. Measuring point: Top of platform 1.2 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 74.75 ft May 15, 1980; minimum daily low, 60.13 ft Feb. 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 74.49 ft May 5; minimum daily low, 66.99 ft Nov. 13.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.39	67.91	70.14	68.82	70.06		---	74.18	72.26	72.96	73.00	
2	69.22	69.56	69.90	69.77	69.82		---	74.08	72.27	73.04	73.13	
3	68.89	69.66	69.81	69.78	69.84		---	74.04	71.87	73.22	73.15	
4	69.06	68.31	69.84	69.56	69.77		---	74.34	71.88	73.30	---	
5	69.36	68.16	69.85	69.56	70.11		---	74.49	71.72	73.37	---	
6	69.42	67.59	69.97	69.67	70.43		---	72.91	71.85	73.21	---	
7	68.96	67.94	70.13	69.73	70.53		---	72.39	72.11	---	---	
8	68.77	67.95	70.29	69.63	70.30		---	72.40	72.29	---	---	
9	68.50	67.96	70.30	68.61	70.25		---	72.68	72.36	---	---	
10	68.20	67.40	70.42	69.78	71.57		72.48	72.71	72.34	---	---	
11	68.17	67.86	69.94	69.89	71.96		72.52	72.32	72.38	71.28	---	
12	68.05	67.58	70.22	69.97	72.01		72.51	72.15	73.76	71.48	---	
13	68.04	66.99	70.26	69.98	72.06		72.54	72.16	73.85	71.33	---	
14	68.21	67.42	69.97	70.31	71.85		72.56	72.34	73.59	72.44	---	
15	68.30	67.42	70.33	70.31	71.87		72.28	72.42	73.65	72.79	---	
16	68.18	67.68	70.78	69.76	71.69		72.35	72.53	72.46	72.29	---	
17	67.97	67.78	70.88	69.99	71.58		72.50	72.44	70.75	72.30	---	
18	68.03	67.95	70.73	70.03	71.57		72.70	72.08	72.86	72.58	---	
19	69.04	67.81	70.63	69.91	71.12		72.87	72.18	72.65	72.76	---	
20	69.64	67.94	70.60	70.17	71.33		72.88	72.23	72.91	72.57	---	
21	67.66	68.99	70.51	70.21	71.46		71.56	72.01	72.93	72.90	---	
22	68.38	69.28	70.47	70.12	71.34		71.69	72.21	72.39	72.99	---	
23	68.46	69.03	70.49	69.78	71.34		71.97	72.22	72.37	73.03	---	
24	68.67	69.44	70.40	69.85	71.12		72.13	72.32	72.46	73.15	---	
25	68.99	69.43	70.47	69.92	71.38		72.43	72.28	72.37	73.23	---	
26	69.09	69.66	70.43	69.85	71.49		73.03	72.55	72.42	73.18	---	
27	68.90	69.72	70.33	69.94	70.99		72.17	72.38	71.98	73.19	---	
28	69.16	69.34	70.37	69.93	70.95		72.51	72.07	71.37	73.22	---	
29	69.11	69.77	70.83	69.69	---		72.55	71.87	72.84	73.12	---	
30	68.44	69.98	70.87	70.21	---		74.16	71.90	72.90	72.98	---	
31	68.04	---	69.19	70.08	---		---	72.18	---	72.96	---	
MAX	69.64	69.98	70.88	70.31	72.06		74.16	74.49	73.85	73.37	73.15	

WTR YR 1984 MEAN 70.90 HIGH 66.99 LOW 74.49

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

MIAMI COUNTY

395848084085500. Local number, MI-3.

LOCATION.--Lat 39°58'48", long 84°08'55", Hydrologic Unit 05080001, 2.0 mi northeast of Tipp City.
Owner: Fulton Fruit Farms.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 5 in, depth 48 ft, cased.

DATUM.--Altitude of land-surface datum is 804.78 ft. (Levels by Miami Conservancy District.) Measuring point: Floor of shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--October 1966 to September 1982 continuous, periodic thereafter.

EXTREMES FOR PERIOD OF RECORD---Maximum daily low, 15.61 ft Feb. 4, 1971; minimum daily low, 7.53 ft Feb. 25, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 19, 1983	12.20	Apr. 24, 1984	9.12

MIAMI COUNTY--Continued

400208084112900. Local number, MI-44.
LOCATION.--Lat 40°02'08", long 84°11'29", Hydrologic Unit 05080001, on left bank of Great Miami River 0.7 mi east of city hall in Troy.
Owner: City of Troy.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled public supply water-table well, diameter 26 in, depth 105 ft, screened below 89 ft.
PERIOD OF RECORD.--August 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 26...	1500	725	7.6	11.0	13.0	12	340	26	83	33
FEB 23...	0900	695	7.5	2.0	12.0	<10	350	41	83	34
JUN 28...	1530	720	7.6	31.0	13.5	<10	320	13	85	26
AUG 15...	1430	705	7.8	27.0	13.5	<10	330	19	78	32

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT 26...	318	63	28	.5	424	442	.010	.100	1	10
FEB 23...	307	64	30	1.6	358	407	<.010	<.100	--	--
JUN 28...	307	63	28	1.0	463	465	<.010	<.100	--	--
AUG 15...	308	65	29	--	433	435	<.010	<.100	1	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	10	10	10	1500	3	3	50	20	7	1.5
FEB 23...	--	--	--	1500	--	--	50	--	--	1.6
JUN 28...	--	--	--	1700	--	--	50	--	--	1.1
AUG 15...	10	3	1	1700	4	4	40	30	12	.90

MONTGOMERY COUNTY

393757084173600. Local number, MT-928
LOCATION.--Lat 39°37'57", long 84°17'36", Hydrologic Unit 05080002, on right bank of Great Miami River 0.2 mi south of Linden Ave. bridge, Miamisburg
Owner: City of Miamisburg.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled municipal supply water table well, 20 in, depth 95 ft, screened below 70 ft.
PERIOD OF RECORD.--September 1983.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT										
27...	0900	820	7.4	1.0	13.0	12	370	69	94	32
APR										
25...	1100	730	7.4	20.5	16.5	<10	360	61	93	30
JUN										
28...	1300	810	7.5	30.0	14.0	<10	320	27	93	21
AUG										
15...	1130	835	7.6	29.0	12.5	<10	360	39	90	32

DATE	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC DIS- SOLVED (UG/L AS AS)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT										
27...	298	67	68	.2	488	490	.020	.700	1	10
APR										
25...	295	64	54	.8	469	--	.020	2.20	--	--
JUN										
28...	292	59	58	.3	539	586	.030	2.60	--	--
AUG										
15...	316	64	67	--	527	530	.010	1.60	1	10

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
27...	10	8	8	80	5	2	160	20	14	1.7
APR										
25...	--	--	--	110	--	--	170	--	--	1.0
JUN										
28...	--	--	--	140	--	--	150	--	--	2.2
AUG										
15...	10	9	9	100	6	5	160	20	8	1.0

MONTGOMERY COUNTY--Continued

394012084151700. Local number, MT-55.
LOCATION.--Lat 39°40'12", long 84°15'17", Hydrologic Unit 05080002, Elm Street in West Carrollton.
Owner: Oxford Paper Company.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 84 ft, cased.
DATUM.--Altitude of land-surface datum is 717.6 ft. Measuring point: Floor of instrument shelter 0.30 ft above land-surface datum.
REMARKS.--Station operated by Ohio Departnent of Natural Resources, Division of Water.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 58.57 ft Nov. 24, 1974; minimum daily low, 26.16 ft Mar. 22, 23, 1982.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 34.64 ft Oct. 12; minimum daily low, 26.36 ft Apr. 27-28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.43	33.24	31.01	30.79	31.62	31.10	27.72	26.83	28.59	30.53	32.36	33.05
2	34.34	33.22	31.02	30.91	31.59	31.22	27.79	26.86	28.60	30.57	32.39	32.94
3	34.46	33.20	30.98	30.96	31.61	31.17	27.85	26.90	28.54	30.62	32.41	33.02
4	34.43	33.18	30.97	30.86	31.39	31.09	27.90	27.02	28.71	30.59	32.37	33.08
5	34.50	32.96	31.01	30.91	31.27	31.12	27.88	26.94	28.98	30.55	32.35	33.17
6	34.58	32.85	30.93	30.98	31.36	31.14	27.65	26.97	29.14	30.56	32.28	33.20
7	34.43	32.74	30.71	30.92	31.46	31.17	27.35	27.03	29.21	30.65	32.35	33.21
8	34.58	32.85	30.71	30.91	31.47	31.16	27.12	27.08	29.34	30.68	32.26	33.22
9	34.39	32.86	30.60	31.05	31.57	31.30	26.94	27.14	29.35	30.76	32.18	33.16
10	34.38	32.79	30.51	31.15	31.49	31.30	26.98	27.34	29.36	30.82	32.16	33.27
11	34.35	32.96	30.45	31.29	31.53	31.22	27.08	27.62	29.65	30.91	32.15	33.42
12	34.64	32.82	30.46	31.39	31.42	31.23	27.15	27.72	29.87	30.97	32.02	33.47
13	34.58	32.55	30.30	31.42	31.35	31.26	27.30	27.74	30.02	31.01	32.12	33.53
14	34.23	32.48	30.17	31.45	31.29	31.18	27.35	27.86	30.03	31.10	32.26	33.55
15	34.11	32.54	30.18	31.51	31.21	31.11	27.36	28.00	30.09	31.16	32.34	33.45
16	33.96	32.39	30.21	31.64	30.99	30.97	27.53	28.11	30.11	31.24	32.38	33.29
17	33.95	32.48	30.21	31.78	30.89	30.89	27.53	28.15	29.98	31.38	32.44	33.35
18	33.95	32.34	30.21	31.93	30.78	30.31	27.40	28.15	30.14	31.51	32.47	33.40
19	33.87	32.22	30.36	31.97	30.63	29.85	27.40	28.17	30.23	31.68	32.47	33.45
20	33.92	32.06	30.43	31.86	30.68	29.44	27.28	28.19	30.25	31.84	32.42	33.53
21	33.75	32.07	30.43	31.84	30.77	29.33	27.24	28.32	30.29	31.97	32.45	33.57
22	33.65	32.13	30.44	31.82	30.87	29.15	27.17	28.46	30.31	32.07	32.48	33.59
23	33.51	31.97	30.36	31.85	30.89	28.85	27.08	28.45	30.30	32.20	32.49	33.53
24	33.37	31.88	30.50	31.93	30.96	28.59	26.89	28.37	30.25	32.31	32.46	33.53
25	33.14	31.61	30.50	31.88	30.95	28.41	26.69	28.32	30.22	32.40	32.48	33.68
26	33.06	31.41	30.62	31.80	30.94	28.28	26.45	28.28	30.26	32.41	32.48	33.70
27	33.06	31.26	30.64	31.73	30.88	28.12	26.36	28.28	30.23	32.42	32.62	33.67
28	33.17	31.16	30.68	31.62	30.95	28.02	26.36	28.27	30.31	32.42	32.73	33.67
29	33.12	31.11	30.76	31.56	31.14	28.04	26.37	28.38	30.41	32.39	32.80	33.65
30	33.10	30.99	30.71	31.56	---	27.90	26.65	28.43	30.45	32.38	32.90	33.55
31	33.15	---	30.76	31.67	---	27.87	---	28.50	---	32.36	33.01	---
MAX	34.64	33.24	31.02	31.97	31.62	31.30	27.90	28.50	30.45	32.42	33.01	33.70

WTR YR 1984 MEAN 30.97 HIGH 26.36 LOW 34.64

MONTGOMERY COUNTY--Continued

394025084162800. Local number, MT-49.

LOCATION.--Lat 39°40'25", long 84°16'28", Hydrologic Unit 05080002, 1.2 mi west of city hall in West Carrollton. Owner: Metal Shredders, Inc.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 220 ft, cased.

DATUM.--Altitude of land-surface datum is 714.61 ft. (Levels by Miami Conservancy District.) Measuring point: Floor of shelter 2.50 ft above land-surface datum.

PERIOD OF RECORD.--November 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 36.30 ft Dec. 8, 1974; minimum daily low, 10.58 ft Jan. 23, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 23.07 ft Oct. 12; minimum daily low, 16.93 ft Apr. 28-29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.59	22.51	21.41	20.76	21.23	20.72	18.21	17.32	18.39	19.47	20.98	---
2	22.57	22.52	---	20.77	21.24	20.77	18.27	17.39	18.23	19.78	21.02	---
3	22.85	22.53	---	20.77	21.16	20.80	18.26	17.32	18.24	19.84	21.04	---
4	22.82	22.52	---	20.96	20.98	20.80	18.38	17.47	18.55	19.66	20.83	---
5	22.92	22.28	---	20.96	20.87	20.75	18.20	17.29	18.66	19.79	20.76	---
6	22.98	22.22	---	20.89	20.93	20.72	17.76	17.25	18.71	19.83	21.03	---
7	23.00	22.45	---	20.90	20.99	20.68	17.46	17.29	18.78	19.66	21.06	---
8	22.75	22.52	20.96	20.94	21.00	20.68	17.34	17.32	18.81	19.62	20.93	21.80
9	22.74	22.52	20.99	21.05	21.02	20.67	17.53	17.62	18.64	19.90	21.23	21.90
10	22.99	22.51	20.82	20.97	21.02	20.66	17.56	17.68	18.66	19.91	21.05	22.08
11	23.06	22.57	20.74	21.01	21.03	20.68	17.65	17.74	18.98	20.02	---	22.14
12	23.07	22.35	20.82	21.02	20.98	20.70	17.69	17.61	19.07	20.09	---	22.19
13	22.93	22.23	20.62	21.06	20.89	20.70	17.74	17.63	19.10	20.20	---	22.23
14	22.88	22.36	20.60	21.10	20.73	20.71	17.58	17.83	19.10	20.01	---	22.00
15	22.65	22.39	20.67	21.08	20.53	20.63	17.54	17.80	19.15	19.97	---	21.94
16	22.59	22.40	20.73	21.12	20.49	20.48	17.76	17.82	18.96	20.29	---	21.95
17	22.79	22.31	20.53	21.18	20.48	20.10	17.71	17.83	18.92	20.34	---	22.19
18	22.82	22.24	20.53	21.20	20.49	19.71	17.64	17.83	19.19	20.46	---	22.27
19	22.87	22.04	20.53	21.24	20.50	19.52	17.63	17.83	19.24	20.52	---	22.29
20	22.83	22.01	20.57	21.30	20.52	19.43	17.44	17.83	19.34	20.54	---	22.31
21	22.66	22.24	20.55	21.32	20.53	19.25	17.44	18.27	19.37	20.33	---	22.38
22	22.38	22.26	20.61	21.36	20.55	18.85	17.42	18.21	19.45	20.34	---	22.17
23	22.27	22.15	20.59	21.36	20.55	18.69	17.29	18.25	19.26	20.56	---	22.15
24	22.35	21.89	20.65	21.31	20.59	18.58	17.11	18.15	19.21	20.76	---	22.39
25	22.36	21.82	20.66	21.24	20.67	18.49	17.00	18.18	19.45	20.79	---	22.38
26	22.27	21.61	20.66	21.22	20.69	18.46	16.99	18.07	19.49	20.79	---	22.44
27	22.31	21.58	20.65	21.13	20.64	18.22	17.08	18.10	19.33	20.84	---	22.43
28	22.37	21.64	20.68	21.10	20.65	18.13	16.93	18.08	19.40	20.62	---	22.48
29	22.26	21.43	20.74	21.11	20.71	18.13	16.93	18.41	19.42	20.58	---	22.26
30	22.23	21.41	20.77	21.24	---	18.15	17.03	18.43	19.41	20.87	---	22.20
31	22.45	---	20.75	21.32	---	18.17	---	18.31	---	20.93	---	---
MAX	23.07	22.57	21.41	21.36	21.24	20.80	18.38	18.43	19.49	20.93	21.23	22.48

WTR YR 1984 MEAN 20.34 HIGH 16.93 LOW 23.07

MONTGOMERY COUNTY--Continued

394425084113200. Local number, MT-3.

LOCATION.--Lat 39°44'25", long 84°11'32", Hydrologic Unit 05080002, Patterson Blvd. at Stewart St., in Dayton. Owner: State of Ohio.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 80 ft, cased.

DATUM.--Altitude of land-surface datum is 744 ft, from topographic map. Measuring point: Floor of instrument shelter 1.20 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May 1945 to June 1974. Re-activated June 1980.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low 79.45 ft Apr. 6, 1971; minimum daily low, 25.72 ft Mar. 21. 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily low 40.51 ft Oct. 5; minimum daily low, 27.79 ft Apr. 25.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.84	38.26	33.56	31.80	32.39	31.30	29.23	30.63	33.03	35.40	37.80	38.38
2	39.73	37.79	33.56	31.75	32.80	31.27	29.34	31.31	32.91	35.47	37.68	38.23
3	40.40	37.42	33.52	31.74	32.08	31.29	29.31	30.61	33.04	35.59	37.67	38.27
4	40.40	37.33	33.49	31.74	31.44	31.25	29.22	30.55	34.05	35.58	37.68	38.60
5	40.51	37.06	34.43	31.78	31.31	31.20	29.14	31.98	33.79	35.38	37.66	38.83
6	40.29	36.32	33.39	31.93	31.48	31.16	28.79	32.40	34.47	36.40	37.57	38.28
7	40.36	35.98	33.21	31.93	31.59	31.12	28.57	32.65	34.82	36.54	37.33	38.57
8	40.09	35.89	33.09	31.89	31.51	31.12	28.51	31.42	33.84	35.94	37.42	38.57
9	39.87	36.29	33.02	33.53	31.45	31.12	28.63	31.32	34.94	35.56	37.42	38.42
10	40.36	36.54	32.99	34.23	32.23	31.02	28.76	31.52	35.26	36.73	37.48	38.76
11	39.81	36.67	32.95	33.41	31.79	31.01	28.82	31.56	35.30	36.87	37.48	38.73
12	39.46	36.16	32.80	32.40	31.35	31.03	28.84	32.49	35.34	36.72	37.42	38.41
13	39.14	35.57	32.55	32.98	31.18	31.02	28.89	32.83	35.37	36.18	37.36	38.89
14	38.81	35.17	32.41	32.71	31.01	31.13	28.87	32.86	35.54	36.08	37.51	38.96
15	38.85	35.02	32.56	32.15	30.86	30.94	28.86	32.84	35.60	36.05	37.51	38.71
16	38.31	34.97	32.63	31.92	30.80	30.73	28.81	32.99	35.59	36.57	37.55	38.66
17	38.15	34.75	32.65	32.02	30.86	29.99	28.75	33.31	35.79	36.14	37.55	39.04
18	38.21	34.41	32.62	31.95	30.88	29.52	28.64	33.51	36.19	36.48	37.35	38.51
19	38.15	34.23	32.68	31.99	30.91	29.41	28.62	33.73	36.21	37.04	37.36	38.34
20	38.12	34.23	32.69	31.88	31.97	29.49	28.62	33.80	35.36	37.34	37.75	38.55
21	37.86	34.26	32.67	31.86	32.19	29.31	28.63	33.93	36.08	37.10	37.79	38.43
22	37.95	35.77	34.22	31.74	31.51	28.96	28.48	33.87	36.32	36.87	37.88	38.62
23	37.95	35.98	33.08	31.69	31.28	28.94	28.33	34.08	36.47	36.66	37.88	38.59
24	37.70	35.53	32.71	32.55	31.25	28.89	27.96	34.05	36.48	37.17	37.96	39.22
25	37.18	33.94	32.53	32.44	31.31	29.00	27.79	34.12	36.41	36.79	38.20	39.21
26	37.08	33.74	32.34	32.69	31.30	28.98	28.76	34.34	35.44	36.79	38.22	39.61
27	36.93	33.74	32.14	31.92	31.19	28.93	30.17	34.37	36.33	36.72	38.18	39.19
28	37.12	34.77	32.04	31.52	31.23	28.87	30.85	34.47	36.39	37.56	38.26	38.70
29	37.43	33.80	32.05	31.38	31.30	29.08	31.12	34.47	35.66	37.91	38.27	38.71
30	37.49	33.49	32.02	31.59	---	29.13	31.54	33.13	35.52	38.06	38.50	38.75
31	37.76	---	31.92	31.59	---	29.18	---	32.87	---	37.78	38.50	---
MAX	40.51	38.26	34.43	34.23	32.80	31.30	31.54	34.47	36.48	38.06	38.50	39.61

WTR YR 1984 MEAN 34.26 HIGH 27.79 LOW 40.51

BEST COPY AVAILABLE

MONTGOMERY COUNTY--Continued

394533084113800. Local number, MT-6.

LOCATION.--Lat 39°45'33", long 84°11'38", Hydrologic Unit 05080002, 3rd and Ludlow Sts., Dayton.
Owner: City of Dayton

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 60 ft, cased.

DATUM.--Altitude of land-surface datum is 740 ft from topographic map. Measuring point: Floor of instrument shelter 13.00 ft below land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--February 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 60.20 ft Oct. 2, 1970; minimum daily low, 21.23 ft Feb. 26, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 35.24 ft Sept. 13; minimum daily low, 24.99 ft Apr. 1.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.04	31.79	29.93	26.85	28.33	28.81	24.99	26.98	28.58	31.65	33.64	34.21
2	32.78	31.58	29.79	26.81	28.59	28.83	26.02	26.92	28.40	32.48	33.95	33.98
3	33.10	31.66	29.51	26.98	28.69	28.47	26.07	26.90	28.06	32.45	34.10	33.55
4	33.78	31.46	29.19	27.33	28.33	28.14	26.25	26.80	29.24	31.74	34.12	34.41
5	33.89	31.03	29.58	27.50	27.97	28.57	26.44	26.41	29.18	32.51	33.17	33.97
6	33.43	30.92	29.70	27.70	28.42	28.65	26.02	26.16	29.63	32.52	33.81	34.16
7	33.66	31.20	29.69	27.43	28.58	28.64	25.67	26.92	30.09	32.04	34.17	34.52
8	33.15	31.26	29.62	27.17	28.57	28.25	25.44	26.83	30.42	31.64	34.39	34.31
9	32.86	31.37	29.52	27.66	28.72	28.03	26.06	26.35	30.24	31.99	34.55	33.53
10	32.73	31.29	29.26	27.81	28.76	27.85	26.30	26.94	29.61	32.58	34.76	34.26
11	33.16	31.28	29.08	27.95	28.36	27.71	26.44	27.20	30.67	32.83	34.05	34.66
12	32.92	31.05	29.19	28.07	27.94	27.65	26.58	27.39	30.93	32.78	33.46	34.96
13	32.74	30.68	29.07	28.08	28.29	27.63	26.76	26.99	31.23	32.96	34.20	35.24
14	32.44	30.82	29.05	27.72	28.62	27.91	26.62	27.35	31.26	33.12	34.48	35.11
15	32.08	30.88	28.97	27.34	28.68	28.36	26.24	27.74	31.51	32.13	34.70	34.39
16	31.78	30.91	28.93	27.77	28.69	28.30	26.55	27.73	31.55	32.52	34.91	33.97
17	32.03	30.90	28.57	27.89	28.70	27.90	26.17	28.28	30.54	32.96	34.79	33.85
18	31.97	30.87	28.25	27.91	28.60	27.39	25.86	28.35	31.46	33.21	34.90	34.16
19	31.91	30.81	28.22	27.76	28.20	27.44	26.17	28.03	31.67	33.11	33.85	34.40
20	31.95	30.66	28.13	27.75	28.50	27.43	26.16	27.62	32.16	33.23	34.48	34.55
21	31.94	30.82	28.02	27.42	28.56	27.01	25.88	28.44	32.33	33.21	34.59	34.52
22	31.82	30.89	28.06	27.15	28.76	26.64	25.60	28.95	32.51	32.29	34.70	34.76
23	31.70	30.85	27.86	27.52	28.86	26.10	26.06	29.23	32.35	33.00	34.70	33.94
24	31.74	30.65	27.49	27.94	28.86	25.72	26.04	29.41	31.70	33.23	34.68	34.46
25	31.72	30.22	27.22	28.25	28.52	25.40	26.77	29.72	32.11	33.36	34.18	34.67
26	31.43	29.92	27.04	28.46	28.22	25.94	26.71	29.03	32.13	33.58	33.61	34.03
27	31.31	29.88	27.34	28.52	28.52	25.94	27.13	28.59	32.54	33.72	34.25	33.54
28	31.49	30.06	27.12	28.17	28.63	25.85	26.77	28.06	32.69	33.06	34.48	33.12
29	31.31	30.09	27.09	27.84	28.74	25.42	26.37	28.12	32.73	32.64	34.72	32.81
30	31.08	30.03	26.82	28.37	---	25.19	27.17	27.29	32.03	33.37	34.95	32.47
31	31.26	---	26.66	28.24	---	25.09	---	27.92	---	33.44	34.92	---
MAX	33.89	31.79	29.93	28.52	28.86	28.83	27.17	29.72	32.73	33.72	34.95	35.24

WTR YR 1984 MEAN 30.12 HIGH 24.99 LOW 35.24

MUSKINGUM COUNTY

395804081593200. Local number, MU-1A.

LOCATION.--Lat 39°58'04", long 81°59'32", Hydrologic Unit 05040004, 2.2 mi northeast of the "Y" bridge in Zanesville.

Owner: Zanesville Water Department.

AQUIFER.--Sand and gravel of Quaternary Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 109 ft, cased.

DATUM.--Altitude of land-surface datum is 700 ft, from topographic map. Measuring point: Floor of instrument shelter 4.48 ft above land-surface datum.

REMARKS.--Water level affected by nearby municipal wells and by stage of the Muskingum River. Prior to water year 1978, well depth reported as 132 ft.

PERIOD OF RECORD.--May 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 37.25 ft Aug. 1-2, 1954; minimum daily low, 8.50 ft May 25, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 28.69 ft Mar. 13; minimum daily low, 14.52 ft Apr. 26-30.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.15	24.42	23.44	24.35	27.69	27.69	17.70	15.07	16.04	18.97	21.78	22.74
2	23.90	24.55	23.48	24.20	27.84	27.69	16.65	15.49	16.08	19.13	22.10	22.64
3	24.35	24.58	23.51	24.14	27.93	27.67	16.33	15.69	15.87	19.37	22.09	22.79
4	24.32	24.62	23.24	24.45	28.08	27.50	15.91	16.85	16.43	19.00	22.03	22.72
5	24.24	24.58	22.84	24.59	28.40	27.19	15.42	16.66	17.00	18.78	22.43	22.53
6	24.06	24.33	23.06	24.89	28.40	27.27	15.43	15.87	17.51	18.68	22.63	22.54
7	24.23	24.34	22.80	25.09	28.39	27.84	15.37	15.55	18.05	18.63	22.31	22.36
8	24.23	24.35	22.45	25.14	28.45	28.03	14.92	16.17	17.81	18.58	21.97	22.44
9	23.80	24.10	22.24	24.70	28.49	28.04	14.98	16.39	18.12	18.43	21.77	22.11
10	23.90	23.78	21.93	24.94	28.48	28.25	15.24	16.69	17.55	19.06	21.03	22.17
11	23.98	23.89	21.76	25.34	28.24	28.47	16.12	17.38	18.18	18.94	20.80	22.85
12	24.02	24.19	21.92	25.61	28.00	28.65	16.30	17.22	18.32	18.76	20.50	22.99
13	24.33	24.13	22.44	25.86	28.32	28.69	15.88	17.19	18.43	19.57	21.08	23.26
14	24.93	24.14	22.67	26.06	28.32	28.43	16.02	17.22	18.20	19.18	2 .01	23.43
15	24.95	24.23	22.83	26.06	28.28	28.24	16.26	17.85	18.33	19.03	20.96	23.20
16	24.23	23.90	23.09	26.05	28.09	28.50	16.52	17.94	18.69	18.95	21.43	22.31
17	24.07	23.67	23.33	26.25	27.86	28.64	15.88	17.75	18.76	19.57	21.79	22.29
18	24.26	23.89	23.37	26.44	27.64	28.59	16.28	17.75	18.40	19.95	22.29	22.24
19	24.29	24.34	23.69	26.72	27.63	28.42	16.28	17.74	18.07	20.18	22.30	22.26
20	24.09	24.03	23.78	27.01	27.63	28.51	15.92	17.74	18.28	20.36	22.51	22.45
21	24.09	23.74	23.79	26.90	27.77	28.51	16.00	18.05	18.54	20.49	22.75	22.69
22	24.15	24.22	23.84	26.94	27.82	27.90	15.60	18.32	18.65	20.30	22.58	23.22
23	24.33	24.43	23.59	27.20	27.47	26.89	15.35	18.33	18.70	20.27	22.69	23.32
24	24.34	24.49	23.53	27.43	27.51	25.60	15.21	18.37	18.69	20.51	22.73	23.50
25	24.36	24.56	23.30	27.64	27.49	24.33	14.79	17.94	17.99	21.29	22.66	23.28
26	24.52	24.56	23.45	27.74	27.40	22.88	14.52	17.76	18.36	21.42	22.68	23.45
27	24.71	24.30	23.87	27.78	27.43	22.01	14.52	16.30	18.35	21.72	22.34	23.79
28	24.76	23.86	23.89	27.76	27.39	21.52	14.52	16.43	18.55	22.19	22.23	23.66
29	24.68	23.86	24.19	27.76	27.46	21.14	14.52	16.58	19.31	21.89	22.78	23.89
30	24.61	23.25	24.16	27.80	---	20.28	14.52	16.68	19.32	21.87	22.89	23.96
31	24.35	---	24.16	27.48	---	19.32	---	16.00	---	21.78	22.69	---
MAX	24.95	24.62	24.19	27.80	28.49	28.69	17.70	18.37	19.32	22.19	22.89	23.99

WTR YR 1984 MEAN 22.31 HIGH 14.52 LOW 28.69

PICKAWAY COUNTY

393327082571600. Local number, PK-7.
LOCATION.--Lat 39°33'27", long 82°57'16", Hydrologic Unit 05060002, 3.1 mi south of Circleville.
Owner: State of Ohio.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled test artesian well, diameter 6 in, depth drilled 172 ft, present depth 169 ft, cased to 164 ft.
DATUM.--Altitude of land-surface datum is 705 ft, from topographic map. Measuring point: Floor of instrument shelter, 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--July 1972 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 54.80 ft Sept. 15, 1977; minimum daily low, 38.32 ft Dec. 25, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 28, 1983	48.25	Apr. 30, 1984	44.63	Aug. 29, 1984	43.56	Mar. 1, 1984	47.45
July 2, 1984	42.65						

PICKAWAY COUNTY--Continued

393402082572500. Local number, Pk-4.

LOCATION.--Lat 39°34'02", long 82°57'25", Hydrologic Unit 05060002, 2 mi south of Circleville.
Owner: E.I. DuPont DeNemours.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 136 ft, cased.

DATUM.--Altitude of land-surface datum is 707 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--January, 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 80.15 ft Nov. 3, 1972; minimum daily low, 47.40 ft Feb. 25, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 72.60 ft Nov. 5; minimum recorded daily low, 61.15 ft June 23-24, July 1.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.00	69.15	70.25		66.15	69.30	68.10	---	61.85	61.15	63.65	64.00
2	69.90	69.15	70.05		66.10	68.40	69.85	---	61.60	61.30	64.15	64.00
3	69.65	72.15	---		65.75	---	69.85	---	61.60	66.70	65.65	64.[illegible]5
4	69.30	71.85	---		65.65	---	70.15	---	62.25	---	67.35	64.35
5	69.60	72.60	---		65.60	---	69.95	---	61.95	---	65.05	67.05
6	70.15	70.65	---		66.00	---	69.80	---	61.65	---	65.50	67.15
7	69.45	70.15	---		66.25	---	69.30	---	61.80	---	65.50	67.55
8	69.05	70.50	---		69.40	---	69.15	---	61.75	---	65.85	67.40
9	69.00	70.65	---		66.30	---	69.85	---	61.75	---	66.15	65.60
10	69.15	70.50	---		66.05	---	69.95	---	61.70	---	66.25	67.15
11	69.45	70.65	---		66.00	---	69.55	---	61.95	67.85	66.15	67.50
12	69.30	70.75	---		65.85	---	69.30	---	61.95	---	65.85	67.50
13	69.45	70.15	---		65.75	---	---	---	61.85	64.10	66.30	67.70
14	69.40	69.70	---		65.80	---	---	---	62.15	68.90	66.00	65.40
15	69.40	70.00	---		68.60	---	---	---	61.80	63.30	66.25	64.50
16	69.00	70.05	---		65.40	---	---	---	61.45	66.70	66.40	64.45
17	69.45	70.30	---		65.60	---	---	---	61.40	63.40	64.30	64.60
18	69.25	70.60	---		67.15	---	69.25	---	63.20	63.95	64.15	64.90
19	69.15	70.05	---		67.80	---	---	65.00	64.15	64.00	64.10	65.10
20	67.60	69.65	---		68.15	---	---	62.10	63.70	64.50	64.35	65.25
21	69.55	70.10	---		65.70	---	70.00	62.00	61.55	64.00	64.30	65.75
22	69.45	70.30	---		65.75	---	70.85	62.00	61.45	63.50	64.30	65.70
23	69.75	70.35	---		65.65	---	67.55	62.15	61.15	68.10	64.15	65.50
24	70.40	70.00	---		65.65	---	67.65	62.05	61.15	---	65.55	65.45
25	70.15	69.80	---		65.95	---	67.75	61.95	61.30	---	64.25	63.90
26	70.10	69.90	---		65.80	---	67.95	61.80	64.35	---	63.95	62.80
27	70.15	69.90	---		67.65	---	70.75	61.65	61.30	---	63.80	67.10
28	70.00	69.75	---		68.15	---	70.90	61.65	64.55	---	65.95	67.20
29	70.35	69.80	---		68.30	68.25	70.90	61.65	61.65	---	64.30	65.75
30	68.70	70.10	---		---	68.05	70.70	61.80	61.20	69.15	64.05	66.75
31	69.50	---	---		---	67.75	---	61.85	---	63.10	64.00	---
MAX	70.40	72.60	70.25		69.40	68.40	70.90	65.00	64.55	69.15	67.35	67.70

WTR YR 1984 MEAN 66.54 HIGH 61.15 LOW 72.60

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BEST COPY AVAI

393638082572300. Local number, PK-6.

LOCATION.--Lat 39°36'38", long 82°57'23", Hydrologic Unit 05060002, water works plant 1 mi northwest of Circleville.
Owner: Circleville Water Dept.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 120 ft, cased.

DATUM.--Altitude of land-surface datum is 672 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 37.32 ft Feb. 24, 1977; minimum daily low, 14.50 ft Feb. 2, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 35.55 ft Aug. 17; minimum daily low, 21.35 ft Mar 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.20	32.20	26.70	28.35	34.05	32.50	27.00	29.20	31.75	30.30	30.45	35.10
2	33.20	32.55	26.55	28.15	34.05	32.85	23.05	30.75	31.10	33.45	30.40	31.00
3	33.15	32.45	26.25	28.85	33.95	---	25.55	30.15	27.45	34.05	30.70	33.50
4	33.30	32.35	26.10	28.45	33.55	32.65	29.35	30.90	27.00	34.15	30.65	33.80
5	33.25	31.80	25.80	28.95	33.10	32.80	28.55	30.85	30.00	33.95	30.15	34.45
6	33.05	31.75	25.00	29.15	32.80	33.00	27.30	30.30	32.10	34.05	29.95	35.05
7	33.10	32.25	25.10	29.15	33.15	32.65	26.05	30.65	32.20	33.70	30.40	35.10
8	33.00	32.15	25.15	28.80	33.45	32.60	22.60	31.40	32.35	33.15	33.20	35.20
9	33.05	31.85	25.15	28.95	33.70	---	25.85	31.55	31.70	33.95	33.95	34.35
10	33.05	31.80	25.20	28.30	33.05	---	28.55	31.70	32.55	34.75	34.35	31.20
11	33.15	31.75	25.50	28.45	33.25	33.00	28.55	31.75	32.00	34.85	31.00	31.15
12	32.95	31.30	25.55	---	32.85	---	28.05	31.10	33.15	34.25	30.55	---
13	33.15	30.80	25.95	---	32.35	33.00	28.90	31.10	31.25	30.25	30.65	---
14	33.05	30.80	25.35	34.25	32.50	33.10	28.35	31.25	31.15	33.60	33.55	---
15	32.95	31.85	25.35	34.35	31.40	32.70	30.85	31.25	32.80	34.40	32.80	---
16	33.00	32.60	25.00	33.45	30.45	---	30.45	26.15	33.50	34.65	34.90	---
17	33.10	31.40	25.30	34.15	29.55	29.00	30.50	25.75	31.55	34.50	35.55	---
18	33.10	29.30	26.05	34.15	29.85	26.45	29.80	26.55	32.70	34.55	34.70	---
19	33.05	30.40	25.70	34.40	30.25	24.20	30.15	27.10	33.55	34.25	34.65	---
20	33.00	30.75	26.15	34.40	30.70	26.45	29.45	27.45	33.60	34.70	34.85	---
21	32.90	29.60	26.00	---	30.80	---	30.05	27.00	33.10	34.70	34.75	---
22	32.75	---	26.75	---	31.25	26.75	30.50	27.20	33.20	34.85	34.85	---
23	32.65	---	26.40	---	31.35	25.15	29.15	27.50	29.90	34.80	35.00	---
24	32.30	---	26.40	---	31.65	26.00	29.20	26.95	27.75	34.15	35.00	---
25	32.15	---	26.15	---	31.55	26.30	29.25	26.25	32.55	31.10	35.05	---
26	32.05	---	27.45	---	32.20	---	29.25	25.50	32.95	29.95	35.00	---
27	32.05	---	27.85	---	32.25	---	28.80	25.65	33.10	30.55	34.45	---
28	32.10	---	27.90	---	32.30	---	29.35	25.85	33.25	30.35	35.05	---
29	32.10	26.00	28.45	---	31.50	21.35	29.80	25.60	33.95	33.25	35.30	---
30	32.15	26.25	28.50	---	---	21.50	29.80	26.75	33.00	31.25	35.35	---
31	32.20	---	28.20	---	---	24.15	---	29.10	---	30.45	35.30	---
MAX	33.30	32.60	28.50	34.40	34.05	33.10	30.85	31.75	33.95	34.85	35.55	35.20

WTR YR 1984 MEAN 30.83 HIGH 21.35 LOW 35.55

393480083072200. Local number, Pk-8.

LOCATION.--Lat 39°34'38", long 83°07'22", Hydrologic Unit 05060002, 0.5 mi south of Williamsport. Owner: Village of Williamsport.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 10 in, depth 18 ft, cased.

DATUM.--Altitude of land-surface datum is 723 ft, from topographic map. Measuring point: Floor of instrument shelter 0.9 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low 9.98 ft Sept. 26, 1983; minimum recorded daily low, 0.08 ft above land-surface datum, Mar. 29,1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 9.02 ft Sept. 27; minimum recorded daily low, 0.08 ft above land-surface datum, Mar. 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.04	---	4.44	4.43	5.08	.35	2.59	3.15	5.76	7.53	8.08
2	---	7.20	---	4.40	4.46	4.72	.55	2.85	3.41	5.99	7.53	8.12
3	---	7.11	---	4.39	4.51	4.75	---	2.99	3.69	5.99	7.50	8.21
4	---	7.05	---	4.38	4.16	4.78	---	2.72	4.06	6.16	7.67	8.25
5	---	6.93	.56	4.34	3.90	4.67	.65	---	4.20	6.04	7.46	8.25
6	---	6.82	.51	4.36	3.79	4.41	.20	---	4.62	6.08	7.49	8.33
7	---	6.97	.55	4.42	3.85	4.11	.01	---	4.69	6.11	7.49	8.35
8	---	6.97	.56	4.33	3.89	3.74	.08	---	4.82	6.11	7.54	8.32
9	---	6.92	---	4.19	4.09	3.74	.12	---	4.91	6.24	7.58	8.48
10	---	7.08	---	4.19	4.12	3.66	.58	---	5.08	6.25	7.56	8.53
11	---	6.70	---	4.42	4.14	3.63	.63	---	5.16	6.35	7.25	8.53
12	---	6.57	---	4.51	4.18	3.73	---	---	5.18	6.35	7.24	8.53
13	---	6.38	---	4.54	4.14	3.71	---	---	5.32	6.47	7.33	8.63
14	---	6.26	---	4.71	4.10	3.64	---	---	5.38	6.53	7.38	8.52
15	---	6.08	---	4.65	3.50	3.49	---	---	5.45	6.54	7.50	8.60
16	---	5.89	---	4.93	3.08	3.08	---	---	5.72	7.00	7.53	8.70
17	---	5.64	---	4.95	2.61	---	---	---	5.79	6.99	7.62	8.72
18	---	5.62	---	4.98	2.99	---	---	---	5.76	6.83	7.61	8.94
19	---	5.41	---	5.06	3.57	---	---	---	5.81	6.87	7.61	8.92
20	---	5.33	---	5.18	4.50	---	---	---	5.83	7.27	7.69	8.79
21	---	5.30	---	5.26	4.37	---	---	---	5.72	7.27	7.76	8.76
22	---	5.30	---	5.34	3.95	---	---	---	5.81	7.09	7.77	8.86
23	---	5.33	---	5.48	3.79	---	---	---	5.90	7.18	7.81	8.93
24	---	5.18	---	5.37	3.69	---	---	---	5.85	7.22	7.81	8.93
25	---	5.18	---	5.00	3.59	---	---	---	5.68	7.16	7.83	8.85
26	---	4.97	---	4.42	3.79	---	---	---	5.71	7.17	7.83	8.94
27	---	4.88	---	3.38	4.46	---	---	---	5.70	7.11	7.87	9.02
28	7.06	4.40	---	3.47	5.36	---	---	---	5.76	7.28	7.99	8.80
29	7.16	1.11	---	3.75	5.64	-0.08	---	---	5.79	7.28	8.00	8.88
30	7.14	0.88	4.28	4.13	---	.03	2.42	---	5.83	7.38	8.07	8.91
31	7.03	---	4.39	4.30	---	.08	---	2.96	---	7.39	8.08	---
MAX	7.16	7.20	4.39	5.48	5.64	5.08	2.42	2.99	5.90	7.39	8.08	9.02

WTR YR 1984 MEAN 5.52 MAX 9.02 MIN -0.08

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

PIKE COUNTY

390359083015100. Local number, PI-2.

LOCATION.--Lat 39°03'59", long 83°01'51", Hydrologic Unit 05060002, 1 mi west of Piketon.
Owner: Goodyear Atomic Corporation.

AQUIFER.--Sand and gravel of Quaternary Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 60 ft, cased.

DATUM.--Altitude of land-surface datum is 550 ft, from topographic map. Measuring point: Floor of instrument shelter, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 27.46 ft Feb. 15, 1977; minimum daily low, 10.06 ft Mar. 1, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 25.93 ft Sept. 30; minimum recorded daily low, 15.92 ft Apr. 9.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.54	24.99	---	22.00	23.54	22.27	16.07	---	20.57	23.07	---	25.30
2	25.56	24.94	---	22.01	23.53	22.33	15.96	---	20.57	23.13	---	25.32
3	25.59	24.91	---	22.03	23.52	22.39	15.95	---	20.62	23.18	---	25.34
4	25.61	24.89	---	22.05	23.53	22.41	15.97	---	20.67	---	---	25.38
5	25.63	24.89	---	22.07	23.53	22.45	15.97	---	20.73	---	---	25.40
6	25.64	24.89	---	22.14	23.53	22.50	15.98	---	20.81	---	---	25.43
7	25.66	24.87	---	22.22	23.51	22.53	16.00	---	20.88	---	---	25.45
8	25.68	24.86	---	22.30	23.46	22.53	15.99	---	20.98	---	---	25.48
9	25.69	24.84	---	22.37	23.38	22.53	15.92	---	21.07	---	---	25.51
10	25.71	24.83	---	22.46	23.33	22.49	15.97	18.97	21.17	---	---	25.53
11	25.73	24.81	---	22.57	23.30	22.45	16.07	19.03	21.28	---	---	25.56
12	25.73	24.82	---	22.65	23.31	22.45	16.17	19.13	21.39	---	---	25.58
13	25.75	24.81	---	22.76	23.32	22.46	16.36	19.18	21.50	---	---	25.61
14	25.76	24.80	---	22.85	23.29	22.51	16.55	19.28	21.60	---	---	25.64
15	25.77	24.75	---	22.94	23.26	22.51	16.77	19.39	21.72	---	---	25.66
16	25.78	24.70	---	23.03	23.21	22.57	16.98	19.49	21.82	---	---	25.68
17	25.78	24.65	---	23.13	23.06	22.57	17.24	19.59	21.91	---	24.95	25.70
18	25.79	---	---	23.22	22.87	22.54	17.48	19.68	22.02	---	24.97	25.72
19	25.82	---	---	23.32	22.63	22.49	17.67	19.81	22.13	---	24.99	25.73
20	25.82	---	---	23.41	22.42	22.36	---	19.93	22.24	---	25.12	25.75
21	25.81	---	---	23.49	22.25	22.00	---	20.07	22.33	---	25.14	25.78
22	25.78	---	---	23.56	22.13	21.66	---	20.21	22.42	---	25.16	25.80
23	25.71	---	21.52	23.63	22.06	20.76	---	20.34	22.50	---	25.19	25.81
24	25.64	---	21.61	23.67	22.00	19.49	---	20.43	22.59	---	25.19	25.83
25	25.57	---	21.68	23.69	22.03	18.49	---	20.47	22.67	---	25.14	25.84
26	25.51	---	21.75	23.70	22.06	17.86	---	20.52	22.74	---	25.16	25.86
27	25.41	---	21.81	23.69	22.06	17.54	---	20.53	22.82	---	25.18	25.87
28	25.31	---	21.87	23.68	22.14	17.30	---	20.55	22.88	---	25.20	25.90
29	25.21	---	21.95	23.61	22.22	16.88	---	20.60	22.94	---	25.22	25.91
30	25.12	---	21.99	23.60	---	16.66	---	20.61	23.01	---	25.25	25.93
31	25.04	---	21.99	23.56	---	16.36	---	20.60	---	---	25.27	---
MAX	25.82	24.99	21.99	23.70	23.54	22.57	17.67	20.61	23.01	23.18	25.27	25.93

WTR YR 1984 MEAN 22.70 HIGH 15.92 LOW 25.93

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

411401081025000. Local number, PO-1.

LOCATION.--Lat 41°14'01", long 81°02'50" Hydrologic Unit 05030103. Bauer Street in Windham. Owner: Edward Liddle.

AQUIFER.--Sandstone of Pennsylvanian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 55 ft, cased.

DATUM.--Altitude of land-surface datum is 980 ft from topographic map. Measuring point: Floor of instrument shelter 0.60 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORED.--May 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 23.08 ft Feb. 22, 1954; minimum daily low, 14.59 ft June 24, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 21.46 ft Sept. 25-26, 28-29; minimum daily low, 19.23 ft May 29-31, June 1-2, 7-8.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.74	21.01	20.54	20.18	20.47	20.67	20.20	19.97	19.23	19.54	20.31	20.95
2	20.74	21.01	20.53	20.17	20.45	20.69	20.18	19.97	19.23	19.57	20.33	20.94
3	20.74	20.96	20.52	20.17	20.40	20.72	20.17	19.94	19.25	19.58	20.33	20.96
4	20.75	20.96	20.40	20.14	20.39	20.68	20.11	19.92	19.26	19.56	20.33	21.00
5	20.80	20.94	20.39	20.15	20.44	20.63	19.99	19.94	19.26	19.61	20.33	21.04
6	20.82	20.96	20.34	20.20	20.50	20.65	20.03	19.94	19.24	19.61	20.34	21.05
7	20.84	20.96	20.38	20.23	20.56	20.68	20.09	19.93	19.23	19.66	20.36	21.06
8	20.86	20.99	20.39	20.26	20.57	20.69	20.09	19.89	19.23	19.69	20.39	21.08
9	20.87	20.98	20.39	20.27	20.56	20.72	20.04	19.83	19.24	19.69	20.43	21.07
10	20.86	20.90	20.40	20.26	20.57	20.69	20.01	19.84	19.25	19.58	20.46	21.09
11	20.86	20.88	20.36	20.32	20.56	20.73	19.98	19.80	19.31	19.73	20.48	21.16
12	20.83	20.91	20.24	20.34	20.56	20.75	19.96	19.69	19.31	19.76	20.50	21.18
13	20.86	20.89	20.20	20.31	20.54	20.68	19.96	19.68	19.30	19.80	20.52	21.16
14	20.89	20.84	20.17	20.37	20.53	20.75	19.95	19.64	19.33	19.83	20.54	21.17
15	20.91	20.81	20.23	20.37	20.56	20.74	19.93	19.64	19.36	19.93	20.56	21.22
16	20.90	20.68	20.26	20.33	20.56	20.63	19.90	19.64	19.34	19.86	20.58	21.26
17	20.91	20.68	20.26	20.39	20.56	20.61	19.94	19.64	19.33	19.86	20.59	21.26
18	20.91	20.68	20.24	20.39	20.60	20.53	19.98	19.62	19.31	19.95	20.61	21.25
19	20.94	20.66	20.22	20.42	20.55	20.53	19.98	19.52	19.36	19.98	20.66	21.24
20	20.93	20.62	20.22	20.47	20.57	20.50	20.00	19.50	19.38	19.99	20.70	21.32
21	20.95	20.63	20.18	20.49	20.58	20.36	20.01	19.44	19.38	20.03	20.71	21.35
22	20.94	20.64	20.09	20.50	20.59	20.40	19.97	19.44	19.38	20.06	20.70	21.37
23	20.86	20.63	20.09	20.50	20.57	20.44	19.88	19.41	19.37	20.08	20.76	21.37
24	20.90	20.60	20.05	20.47	20.54	20.43	19.90	19.37	19.42	20.11	20.78	21.37
25	20.91	20.60	20.08	20.47	20.65	20.36	19.94	19.30	19.44	20.14	20.81	21.46
26	20.91	20.61	20.08	20.48	20.68	20.34	19.96	19.34	19.46	20.14	20.81	21.46
27	20.94	20.61	20.08	20.48	20.68	20.33	19.96	19.38	19.45	20.15	20.81	21.45
28	20.96	20.53	20.11	20.48	20.56	20.29	19.97	19.33	19.46	20.20	20.84	21.46
29	21.01	20.48	20.17	20.47	20.64	20.19	19.98	19.23	19.49	20.23	20.88	21.46
30	21.01	20.53	20.21	20.48	---	20.20	19.97	19.23	19.50	20.24	20.89	21.44
31	21.00	---	20.21	20.49	---	20.21	---	19.23	---	20.27	20.92	---
MAX	21.01	21.01	20.54	20.50	20.68	20.75	20.20	19.97	19.50	20.27	20.92	21.46

WTR YR 1984 MEAN 20.33 HIGH 19.23 LOW 21.46

PREBLE COUNTY

394438084335900. Local number, PR-2.

LOCATION.--Lat 39°44'38", long 84°33'59", Hydrologic Unit 05080002, Stover Rd 4 mi east of Eaton.
Owner: Eaton Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 78.5 ft, cased.

DATUM.--Altitude of land-surface datum is 900 ft, from topographic map. Measuring point: Floor of instrument shelter 1.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 15.28 ft Aug. 26, 1983; minimum daily low, 7.94 ft May 4, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 13.90 ft Oct. 2; minimum daily low, 8.98 ft Apr. 27-28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.78	13.30	12.49	11.86	12.03	11.70	9.73	9.08	10.83	12.07	12.80	13.46
2	13.90	13.18	12.27	11.84	12.05	11.85	10.15	9.37	10.90	12.17	12.79	13.61
3	13.77	12.80	12.04	11.84	11.69	11.79	9.82	9.37	11.07	12.14	12.86	13.62
4	13.70	12.95	12.12	11.70	11.58	11.52	10.06	9.36	11.42	12.14	12.81	13.60
5	13.68	12.79	11.89	11.70	11.92	11.60	10.00	9.50	11.39	11.98	12.90	13.16
6	13.60	12.72	11.79	11.62	11.84	11.70	9.85	9.49	11.19	11.99	12.88	13.33
7	13.66	13.03	12.03	11.61	11.95	11.70	9.76	9.49	11.46	11.72	12.91	13.11
8	13.81	12.76	12.12	11.66	12.06	11.67	9.62	9.47	11.57	12.02	12.91	13.36
9	13.73	12.71	12.13	11.84	11.85	11.69	9.53	9.40	11.56	12.11	12.94	13.24
10	13.78	12.92	12.24	11.79	11.79	11.44	9.53	9.45	11.52	12.06	12.73	13.44
11	13.69	12.66	12.14	11.83	12.08	11.41	9.57	9.50	11.74	12.06	12.94	13.44
12	13.51	12.67	11.89	11.82	11.80	11.45	9.42	9.61	11.80	12.17	12.93	13.57
13	13.22	12.99	11.90	11.64	11.69	11.45	9.37	9.60	11.88	12.02	13.31	13.59
14	13.48	12.70	11.81	11.68	12.04	11.44	9.44	9.74	11.76	12.32	13.16	13.65
15	13.10	12.59	11.69	11.81	12.11	11.40	9.41	9.79	11.60	12.10	13.30	13.76
16	13.02	12.91	11.80	11.71	12.08	11.39	9.42	10.01	11.90	12.30	13.30	13.77
17	13.32	13.07	11.69	11.73	12.18	11.06	9.50	10.08	12.03	12.24	13.48	13.73
18	13.08	13.00	11.67	12.00	12.15	10.99	9.48	10.08	11.99	12.61	13.43	13.80
19	13.39	13.06	11.82	12.11	12.00	10.80	9.51	10.10	12.15	12.53	13.39	13.80
20	13.50	13.03	11.67	12.38	12.06	10.57	9.68	10.14	12.26	12.70	13.15	13.54
21	13.35	13.04	11.61	12.56	12.06	10.61	9.53	10.16	12.23	12.71	13.35	13.40
22	13.27	13.08	11.53	12.59	11.98	10.49	9.33	10.09	12.18	12.91	13.40	13.56
23	13.25	13.01	11.33	12.52	11.96	10.45	9.44	10.27	12.16	13.23	13.55	13.47
24	13.24	12.81	11.46	12.47	11.88	10.48	9.22	10.14	12.12	13.23	13.55	13.52
25	13.26	12.91	11.89	12.43	11.93	10.16	9.13	10.24	12.06	13.00	13.56	13.35
26	13.21	12.81	11.58	12.37	11.98	10.06	9.19	10.60	12.10	12.62	13.72	13.58
27	13.10	12.77	11.59	12.27	11.86	10.18	8.98	10.50	12.07	12.44	13.72	13.55
28	13.12	12.64	11.70	12.27	11.70	9.83	8.98	10.48	12.07	12.58	13.72	13.49
29	13.36	12.59	11.73	12.02	11.84	9.72	9.20	10.62	12.10	12.51	13.62	13.50
30	13.14	12.59	11.89	12.11	---	10.13	8.99	10.69	12.16	12.59	13.30	13.53
31	13.16	---	12.00	12.07	---	9.81	---	10.73	---	12.51	13.37	---
MAX	13.90	13.30	12.49	12.59	12.18	11.85	10.15	10.73	12.26	13.23	13.72	13.80

WTR YR 1984 MEAN 11.95 HIGH 8.98 LOW 13.90

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RICHLAND COUNTY

404625082305100. Local number, R-4.

LOCATION.--Lat 40°46'25", long 82°30'51", Hydrologic Unit 05040002, at Ohio Brass Plant in Mansfield.
Owner: Ohio Brass Company

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 14 in, depth 127 ft, cased.

DATUM.--Altitude of land-surface datum is 1150 ft from topographic map. Measuring point: Top of platform 5.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May, 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 60.10 ft Oct. 12, 13, 19, 20, 1962; minimum daily low, 6.14 ft May 15, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 7.87 ft Oct. 22; minimum daily low, 6.14 ft May 15.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.71	7.79	7.22	6.94	6.97	6.79	6.26	6.19	6.21	6.64	7.11	7.37
2	7.71	7.79	7.23	6.94	6.99	6.83	6.29	6.20	6.21	6.64	7.14	7.37
3	7.69	7.79	7.24	6.92	6.99	6.88	6.31	6.21	6.21	6.65	7.15	7.37
4	7.67	7.78	7.23	6.90	6.97	6.91	6.31	6.19	6.22	6.66	7.16	7.37
5	7.66	7.77	7.17	6.89	6.93	6.91	6.31	6.16	6.24	6.66	7.16	7.38
6	7.68	7.73	7.15	6.86	6.89	6.90	6.26	6.17	6.27	6.66	7.16	7.41
7	7.73	7.69	7.07	6.85	6.94	6.90	6.27	6.17	6.31	6.67	7.17	7.44
8	7.75	7.67	7.09	6.85	7.00	6.91	6.31	6.17	6.34	6.70	7.17	7.45
9	7.75	7.67	7.12	6.87	7.02	6.94	6.33	6.16	6.37	6.71	7.19	7.45
10	7.75	7.67	7.15	6.90	7.03	6.95	6.34	6.17	6.37	6.71	7.22	7.45
11	7.73	7.64	7.15	6.95	7.03	6.95	6.38	6.17	6.38	6.72	7.24	7.44
12	7.73	7.59	7.13	7.00	7.02	6.95	6.39	6.17	6.42	6.72	7.25	7.45
13	7.71	7.59	7.08	7.03	6.99	6.95	6.38	6.16	6.44	6.75	7.25	7.45
14	7.71	7.57	7.04	7.05	6.93	6.99	6.37	6.15	6.46	6.79	7.27	7.45
15	7.75	7.53	6.96	7.07	6.89	7.01	6.35	6.14	6.49	6.82	7.30	7.46
16	7.77	7.47	6.92	7.07	6.89	7.01	6.31	6.17	6.51	6.84	7.32	7.47
17	7.77	7.43	6.96	7.05	6.86	7.00	6.26	6.20	6.51	6.86	7.33	7.49
18	7.79	7.44	6.98	7.06	6.82	6.98	6.23	6.22	6.51	6.86	7.34	7.50
19	7.80	7.44	6.99	7.08	6.79	6.91	6.25	6.22	6.50	6.88	7.34	7.50
20	7.82	7.43	7.03	7.11	6.72	6.84	6.28	6.22	6.52	6.89	7.33	7.50
21	7.86	7.36	7.04	7.15	6.71	6.74	6.31	6.19	6.55	6.91	7.32	7.48
22	7.87	7.34	7.04	7.17	6.72	6.61	6.31	6.16	6.56	6.92	7.32	7.48
23	7.85	7.35	7.03	7.17	6.73	6.52	6.29	6.15	6.56	6.93	7.32	7.48
24	7.80	7.33	7.02	7.17	6.73	6.50	6.21	6.15	6.56	6.95	7.34	7.48
25	7.77	7.31	6.98	7.12	6.74	6.49	6.16	6.16	6.56	6.98	7.35	7.47
26	7.77	7.29	6.95	7.09	6.79	6.42	6.15	6.16	6.56	6.99	7.37	---
27	7.76	7.27	6.92	7.08	6.80	6.37	6.16	6.18	6.56	7.00	7.37	---
28	7.76	7.25	6.89	7.05	6.80	6.32	6.18	6.18	6.57	7.01	7.37	---
29	7.76	7.19	6.83	7.02	6.77	6.24	6.20	6.18	6.59	7.03	7.37	---
30	7.78	7.19	6.89	6.96	---	6.21	6.20	6.19	6.62	7.05	7.37	---
31	7.79	---	6.92	6.94	---	6.24	---	6.20	---	7.08	7.36	---
MAX	7.87	7.79	7.24	7.17	7.03	7.01	6.39	6.22	6.62	7.08	7.37	7.50

WTR YR 1984 MEAN 6.94 HIGH 6.14 LOW 7.87

ROSS COUNTY

391341083172200. Local number, RO-7.

LOCATION.--Lat 39°13'41", long 83°17'22", Hydrologic Unit 05060003, Highland County well field, 1 mi west of Bainbridge.

Owner: Highland County Water Company.

AQUIFER.--Sand and gravel of Quaternary Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 57 ft, cased.

DATUM.--Altitude of land-surface datum is 740 ft from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--February 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 42.66 ft Sept. 29-30, 1984; minimum daily low, 20.93 ft Feb. 28, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 42.66 ft Sept. 29-30; minimum daily low, 33.95 ft Apr. 11.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.02	36.70	37.14	39.24	39.63	38.47	35.24	35.61	36.83	40.21	40.88	41.83
2	40.14	36.77	36.80	39.42	39.69	38.38	34.88	35.75	37.23	40.35	41.00	42.09
3	40.07	36.46	36.53	39.59	39.64	38.31	34.64	35.75	37.53	40.38	40.97	42.19
4	39.99	36.37	36.60	39.76	39.28	38.46	34.38	36.03	37.67	40.43	41.08	42.05
5	40.10	36.76	36.70	39.87	39.18	38.41	34.35	35.98	37.80	40.41	41.06	41.93
6	40.17	36.82	36.38	40.03	39.17	38.58	34.23	35.94	38.26	40.08	41.17	41.75
7	40.24	36.94	36.40	40.19	39.23	38.59	34.32	35.79	38.43	40.05	41.30	41.55
8	40.35	37.00	36.43	40.21	39.05	38.47	34.34	35.75	38.53	39.97	40.84	41.65
9	40.39	36.90	36.13	39.83	39.16	38.52	34.09	35.63	39.04	39.96	41.01	41.70
10	40.36	37.06	36.08	39.81	39.27	38.53	34.02	35.57	39.60	40.02	40.93	41.51
11	40.70	37.03	36.29	39.77	39.27	38.60	33.95	35.56	39.58	40.16	40.95	41.96
12	40.59	37.07	36.41	39.76	39.33	38.61	34.12	35.55	39.65	39.85	41.12	42.12
13	40.54	37.19	36.27	39.77	39.35	38.70	34.23	35.55	40.01	39.97	40.93	42.11
14	40.50	37.38	36.26	40.05	39.35	38.65	34.34	35.66	40.16	40.21	40.71	42.12
15	40.57	37.22	36.25	40.05	39.00	38.57	34.24	35.72	39.96	40.21	40.92	42.01
16	40.60	37.38	36.14	39.86	38.93	38.66	34.45	35.64	40.01	40.20	41.37	41.96
17	40.76	37.53	36.25	39.99	38.79	38.50	34.68	35.75	40.35	40.20	41.38	41.85
18	40.80	37.45	36.25	39.83	38.69	38.50	34.99	35.95	40.43	40.06	41.35	41.77
19	40.35	37.55	36.53	39.98	38.54	38.14	35.27	36.39	40.39	40.06	41.40	41.45
20	40.34	37.56	36.48	40.12	38.26	37.91	35.45	36.57	40.23	40.18	41.28	41.73
21	40.20	37.57	36.85	40.41	38.30	37.64	35.64	36.82	40.13	40.47	41.48	42.03
22	39.89	37.66	35.98	40.62	38.38	37.65	35.67	37.22	40.01	40.59	41.62	42.15
23	39.48	37.68	37.37	40.64	38.39	37.42	35.65	37.44	39.98	40.81	41.58	42.23
24	39.10	37.62	37.45	40.57	38.39	37.18	35.61	37.54	39.88	41.01	41.37	42.24
25	38.70	37.60	37.81	40.57	38.25	36.85	35.46	37.45	39.76	40.89	41.27	42.17
26	37.95	37.76	38.14	40.16	38.04	36.49	35.53	37.45	39.94	40.92	41.35	42.32
27	37.76	37.75	38.37	40.05	38.26	36.30	35.33	37.57	39.83	40.75	41.44	42.34
28	37.29	37.58	38.62	40.06	38.14	36.07	35.50	37.55	39.81	40.51	41.44	42.39
29	37.24	37.67	38.79	39.90	38.31	35.59	35.47	37.53	39.83	40.73	41.58	42.66
30	37.18	37.28	38.95	39.79	---	35.53	35.45	37.35	40.16	40.57	41.71	42.66
31	36.96	---	39.05	39.85	---	35.38	---	36.86	---	40.62	41.85	---
MAX	40.80	37.76	39.05	40.64	39.83	38.70	35.67	37.57	40.43	41.01	41.85	42.66

WTR YR 1984 MEAN 38.73 HIGH 33.95 LOW 42.66

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ROSS COUNTY--Continued.

391913082580500. Local number, RO-8.

LOCATION.--Lat 39°19'13", long 82°58'05", Hydrologic Unit 05060003, Mead Paper wood yard in Chillicothe. Owner: Mead Paper Corp.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in (0.15 m), depth 95 ft (30.0 m), cased.

DATUM.--Altitude of land-surface datum is 631.30 ft (186.93 m) Measuring point: Floor of instrument shelter 3.30 ft (1.006 m) above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--May 1983 to September 1983.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 28.44 ft Oct. 18, 1983; minimum daily low, 21.79 ft May 29, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 28.44 ft Oct. 18; minimum daily low, 21.79 ft May 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.22	27.16	25.70	25.47	26.89	26.70	24.56	23.73	22.37	24.26	26.00	27.06
2	28.27	27.15	25.70	25.47	26.96	26.71	24.59	23.76	22.48	24.33	26.05	27.09
3	28.33	27.16	25.74	25.49	26.98	26.73	24.62	23.76	22.57	24.40	26.08	27.12
4	28.34	27.16	25.79	25.48	26.98	26.74	24.68	23.74	22.61	24.46	26.12	27.14
5	28.31	27.10	25.75	25.48	26.98	26.74	24.68	23.75	22.69	24.50	26.12	27.18
6	28.23	27.08	25.63	25.48	26.97	26.72	24.60	23.73	22.82	24.62	26.12	27.23
7	28.23	27.04	25.63	25.49	26.98	26.58	24.41	23.66	22.95	24.56	26.14	27.25
8	28.29	27.01	25.63	25.53	26.98	26.46	24.35	23.64	23.04	24.73	26.06	27.26
9	28.32	26.99	25.63	25.56	26.96	26.47	24.29	23.61	23.09	24.79	25.79	27.30
10	28.33	26.95	25.63	25.63	26.96	26.44	24.25	23.54	23.15	24.85	25.60	27.32
11	28.36	26.93	25.62	25.64	26.97	26.39	24.21	23.49	23.22	24.95	25.62	27.33
12	28.37	26.93	25.59	25.40	26.97	26.38	24.19	23.60	23.28	25.00	25.81	27.35
13	28.36	26.93	25.56	25.48	26.92	26.32	24.16	23.61	23.36	25.07	25.99	27.35
14	28.35	26.89	25.50	25.61	26.82	---	24.14	23.65	23.41	25.13	26.11	27.35
15	28.36	26.85	25.51	25.67	26.70	---	24.13	23.73	23.50	25.19	26.22	27.35
16	28.37	26.82	25.51	25.75	26.61	---	24.18	23.74	23.54	25.25	26.37	27.40
17	28.43	26.81	25.51	25.87	26.54	---	24.24	23.72	23.58	25.30	26.43	27.44
18	28.44	26.78	25.51	25.97	26.54	---	24.27	23.63	23.63	25.38	26.48	27.50
19	28.42	26.74	25.51	26.05	26.49	---	24.29	23.52	23.70	25.46	26.50	27.65
20	28.36	26.72	25.52	26.08	26.51	---	24.34	23.15	23.75	25.49	26.57	27.86
21	28.24	26.73	25.52	---	26.52	---	24.37	22.73	23.81	25.53	26.60	28.02
22	28.08	26.72	25.56	---	26.56	---	24.37	22.35	23.82	25.63	26.64	28.16
23	27.76	26.67	25.53	---	26.58	---	24.24	22.13	23.85	25.58	26.67	28.30
24	27.54	26.66	---	---	26.61	---	24.01	21.96	23.88	25.70	26.72	28.38
25	27.41	26.61	---	---	26.63	---	23.92	21.87	23.90	25.74	26.73	28.43
26	27.29	26.54	---	---	26.65	---	23.87	21.86	23.93	25.77	26.73	28.43
27	27.23	26.49	---	---	26.65	---	23.83	21.85	23.99	25.80	26.76	28.40
28	27.19	26.42	---	---	26.69	---	23.74	21.84	24.01	25.81	26.81	28.33
29	27.20	26.16	---	---	26.70	24.58	23.72	21.79	24.10	25.84	26.90	28.31
30	27.19	25.72	25.50	---	---	24.40	23.71	22.03	24.18	25.89	26.95	28.26
31	27.18	---	25.50	---	---	24.49	---	22.22	---	25.99	27.02	---
MAX	28.44	27.16	25.79	26.08	26.98	26.74	24.68	23.76	24.18	25.99	27.02	28.43

WTR YR 1984 MEAN 25.73 HIGH 21.79 LOW 28.44

SHELBY COUNTY

401712084103500. Local number, SH-4.

LOCATION.--Lat 40°17'12", long 84°10'35", Hydrologic Unit 05080001, State Route 47 in Sidney.
Owner: Stolle Corporation.

AQUIFER.--Limestone of Silurian Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diamter 8 in, depth 280 ft, cased to 136 ft.

DATUM.--Altitude of land-surface datum is 1,033.72 ft. Measuring point: Top of platform 4.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--September 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 94.19 ft Oct. 26, 1982; minimum daily low, 63.45 ft Jan. 2, 1981.

• EXTREMES FOR CURRENT YEAR.--Maximum daily low 93.90 ft Nov. 17; minimum daily low, 65.63 ft July 15, 17.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.40	92.29	91.21	87.36	92.20	92.27	84.11	90.29	86.47	66.20	87.08	82.93
2	86.60	93.09	91.93	86.51	89.87	92.17	87.83	88.95	82.62	66.39	86.29	78.09
3	90.64	93.22	89.97	91.55	89.37	89.31	88.89	88.14	82.46	66.21	85.63	75.71
4	91.12	92.95	86.36	92.24	86.11	88.54	89.51	88.20	84.19	65.97	84.29	85.59
5	91.91	91.53	91.48	91.30	83.42	91.30	89.71	86.97	84.26	65.87	80.26	86.08
6	92.09	87.89	92.03	92.09	91.27	91.97	87.89	82.87	84.67	65.87	85.44	85.24
7	91.70	92.89	92.50	90.16	90.50	91.44	87.31	86.47	86.35	65.93	84.48	85.20
8	87.56	93.25	90.52	86.67	90.19	91.33	85.71	87.66	84.03	65.92	84.16	83.19
9	86.16	93.52	89.12	92.25	90.60	91.45	89.12	87.06	83.60	65.95	83.92	80.03
10	88.92	92.88	90.99	90.95	91.30	89.91	88.06	89.03	77.79	65.95	84.99	85.28
11	88.87	92.74	87.93	92.41	88.46	84.90	90.28	87.20	82.71	65.68	81.13	84.59
12	91.48	90.42	91.16	90.64	82.54	89.98	90.61	82.69	83.60	65.91	80.88	85.19
13	91.96	85.49	91.65	90.60	91.98	91.08	90.42	80.06	83.39	65.95	85.27	85.12
14	92.65	91.93	91.88	87.89	92.00	89.75	88.86	89.51	84.80	65.78	85.10	84.92
15	92.07	92.55	91.95	87.32	91.84	90.55	83.50	89.97	84.14	65.63	85.59	82.40
16	88.16	93.28	91.64	90.67	90.82	90.91	90.68	89.79	81.63	65.70	84.05	79.04
17	90.87	93.90	88.88	91.39	91.26	84.32	90.37	88.25	78.22	65.63	83.30	85.94
18	92.13	91.60	88.36	92.50	87.38	82.73	90.80	88.46	83.30	66.00	82.15	85.37
19	92.20	89.36	91.29	91.97	85.21	90.65	90.65	83.93	84.44	66.07	80.87	85.48
20	92.09	87.06	92.13	92.15	90.89	91.54	84.76	79.42	83.49	65.90	83.78	85.02
21	92.45	92.98	90.53	90.32	90.53	90.45	77.13	88.57	81.92	67.11	85.45	85.29
22	91.90	93.59	88.50	88.10	91.36	89.51	80.37	88.74	80.84	75.79	85.68	82.92
23	88.41	92.64	90.38	91.89	90.81	90.49	87.99	89.46	78.77	84.60	86.59	80.09
24	91.82	90.34	82.95	92.24	90.51	89.81	88.93	88.69	78.53	86.44	85.76	84.98
25	91.21	78.14	83.31	92.24	89.89	84.48	89.68	87.54	81.85	85.82	83.81	85.06
26	91.13	85.20	85.03	92.59	86.42	90.40	89.76	82.57	81.53	84.92	77.46	85.16
27	88.92	82.54	88.60	92.35	91.10	90.55	89.26	78.23	81.83	85.17	84.10	86.75
28	90.52	91.30	91.43	90.37	88.97	90.11	87.74	79.47	81.65	83.38	86.20	85.19
29	87.45	91.88	91.83	83.59	91.18	88.93	86.54	88.15	67.77	80.36	86.50	82.28
30	85.73	91.43	91.19	90.83	---	89.53	90.35	87.93	66.45	86.01	87.01	79.40
31	93.06	---	86.67	92.02	---	89.18	---	87.73	---	86.55	85.42	---
MAX	93.06	93.90	92.50	92.59	92.20	92.27	90.80	90.29	86.47	86.55	87.08	85.75

WTR YR 1984 MEAN 86.35 HIGH 65.63 LOW 93.90

STARK COUNTY

404939081203800. Local number, ST-5A.

LOCATION.--Lat 40°49'39", long 81°20'38", Hydrologic Unit 05040001, Northeast well field off Harrisburg Rd, Canton.
Owner: Canton Water Department.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 132 ft, cased.

DATUM.--Altitude of land-surface datum is 1060 ft, from topographic map. Measuring point: Floor of instrument shelter 1.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 54.00 ft Feb. 10, 1956; minimum daily low, 26.13 ft May 18, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 39.74 ft Dec. 29; minimum daily low, 35.11 ft June 13.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.49	38.53	39.22	39.06	38.43	38.87	36.82	36.32	35.44	35.74	35.98	36.78
2	37.61	38.48	38.88	38.86	38.63	---	36.84	36.25	35.26	35.79	35.95	35.79
3	37.57	38.33	38.88	38.83	38.50	---	36.67	36.44	35.34	35.91	36.16	36.79
4	37.60	38.28	38.87	38.60	38.32	---	36.63	36.38	35.31	36.00	35.65	35.94
5	37.42	38.55	38.99	38.67	38.30	38.06	36.63	36.43	35.32	35.84	35.54	36.85
6	37.38	38.35	38.78	38.32	38.23	38.03	36.66	36.42	35.43	36.32	36.01	36.23
7	37.40	38.40	38.74	38.36	38.42	38.05	36.52	36.40	35.72	35.84	35.75	35.50
8	37.42	38.58	38.73	38.41	38.37	38.07	36.56	36.44	35.46	35.71	35.94	36.10
9	37.48	38.63	38.73	38.58	38.40	38.03	36.34	36.55	35.69	35.62	36.08	35.03
10	37.50	38.59	38.91	38.67	38.33	38.03	36.27	36.44	35.49	35.60	35.59	36.56
11	37.45	38.74	38.78	38.55	38.35	38.02	36.66	36.48	35.38	35.58	35.95	35.11
12	37.74	38.82	38.69	38.52	38.33	38.02	36.78	36.48	35.18	35.84	35.98	36.56
13	37.81	38.76	38.50	38.44	38.39	37.90	36.76	36.47	35.11	36.04	36.13	36.09
14	37.70	38.87	38.51	38.45	38.47	38.03	36.67	36.43	35.66	36.12	35.96	35.46
15	37.69	38.93	38.43	38.33	38.35	37.91	36.61	36.24	35.73	36.18	36.21	35.49
16	37.91	39.11	38.29	38.30	38.43	37.67	36.61	36.18	35.73	36.20	36.13	35.04
17	38.38	38.95	38.29	38.06	38.38	37.98	36.65	36.00	35.62	36.11	36.24	36.52
18	38.47	39.05	38.30	38.25	38.33	37.92	36.73	36.44	35.65	36.24	36.26	35.04
19	38.53	39.01	38.29	38.41	38.31	37.50	36.75	36.34	35.55	36.35	36.14	35.49
20	38.45	39.00	38.19	38.29	38.18	37.82	36.78	36.36	35.53	36.39	35.99	35.46
21	38.67	38.99	38.97	38.29	38.52	37.71	36.78	36.36	35.37	36.49	36.18	36.44
22	38.11	39.24	39.00	38.29	38.65	37.68	36.74	36.38	35.79	36.19	36.20	35.04
23	38.26	39.00	38.78	38.31	38.63	37.61	36.75	36.28	35.78	36.94	36.20	35.99
24	38.28	38.95	38.53	38.25	38.72	37.50	36.77	35.91	35.65	36.25	35.78	36.47
25	38.41	38.50	38.42	38.23	38.76	37.44	36.44	35.83	35.98	36.18	36.23	35.68
26	38.12	39.09	38.93	38.23	38.82	37.34	36.63	35.78	35.57	36.07	36.36	37.20
27	38.00	39.06	39.05	38.43	38.80	37.32	36.66	35.72	35.77	36.00	36.45	37.28
28	37.93	39.13	39.50	38.28	38.84	37.18	---	35.62	35.79	36.24	36.58	36.90
29	38.31	38.93	39.74	38.07	38.88	37.11	---	35.84	35.78	---	36.65	35.98
30	38.34	39.42	39.41	38.08	---	36.97	---	35.45	35.77	---	36.64	35.98
31	38.44	---	39.17	38.20	---	36.92	---	35.33	---	---	36.83	---
MAX	38.67	39.42	39.74	39.06	38.88	38.87	36.84	36.55	35.98	36.94	36.83	37.28

WTR YR 1984 MEAN 37.28 HIGH 35.11 LOW 39.74

STARK COUNTY--Continued

405051081244200. Local number, ST-28.

LOCATION.--Lat 40°50'51", long 81°24'42", Hydrologic Unit 05040001, Salway St., northwest of Canton.
Owner: North Canton Water Dept.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in, depth 70 ft, cased.

DATUM.--Altitude of land-surface datum is 1060 ft, from topographic map. Measuring point: Floor of instrument shelter 1.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 16.00 ft July 27, 28, 1978; minimum daily low, 9.00 ft June 29, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 10.98 ft Feb. 10-12; minimum daily low, 9.00 ft June 29.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.74	10.91	10.69	10.47	10.91	10.76		9.75	9.04	9.02	9.28	9.31
2	10.76	10.92	10.67	10.48	10.93	10.76		9.75	9.02	9.03	9.28	9.30
3	10.77	10.92	10.64	10.48	10.93	10.76		9.75	9.02	9.05	9.28	9.28
4	10.79	10.92	10.63	10.49	10.93	10.77		9.74	9.01	9.06	9.28	9.26
5	10.80	10.91	10.60	10.49	10.93	10.78		9.72	9.01	9.07	9.28	9.24
6	10.80	10.91	10.57	10.51	10.94	10.78		9.71	9.01	9.07	9.28	9.24
7	10.80	10.91	10.52	10.52	10.95	10.78		9.69	9.01	9.08	9.28	9.26
8	10.80	10.90	10.47	10.53	10.96	10.78		9.67	9.01	9.08	9.28	9.27
9	10.80	10.90	10.44	10.54	10.97	10.78		9.66	9.01	9.08	9.28	9.29
10	10.81	10.90	10.41	10.56	10.98	10.77		9.62	9.01	9.08	9.27	9.32
11	10.81	10.90	10.39	10.57	10.98	10.77		9.59	9.02	9.08	9.26	9.34
12	10.81	10.90	10.37	10.58	10.98	10.77		9.55	9.02	9.08	9.25	9.36
13	10.81	10.89	10.36	10.61	10.97	10.76		9.52	9.02	9.08	9.26	9.39
14	10.81	10.89	10.35	10.64	10.93	10.76		9.50	9.02	9.09	9.26	9.41
15	10.82	10.88	10.33	10.65	10.91	10.76		9.48	9.03	9.09	9.26	9.43
16	10.82	10.88	10.31	10.66	10.89	10.75		9.47	9.03	9.10	9.27	9.45
17	10.83	10.87	10.29	10.67	10.86	10.75		9.45	9.03	9.11	9.28	9.47
18	10.84	10.85	10.30	10.69	10.84	10.72		9.43	9.04	9.11	9.29	9.48
19	10.86	10.81	10.31	10.71	10.82	10.69		9.42	9.04	9.12	9.31	9.50
20	10.87	10.80	10.32	10.73	10.79	10.64		9.40	9.03	9.14	9.33	9.51
21	10.89	10.78	10.33	10.74	10.78	10.59		9.38	9.03	9.16	9.34	9.53
22	10.89	10.77	10.33	10.76	10.77	10.53		9.36	9.02	9.17	9.37	9.55
23	10.89	10.76	10.34	10.77	10.76	10.48		9.33	9.02	9.19	9.38	9.57
24	10.90	10.76	10.35	10.79	10.75	10.41		9.30	9.02	9.21	9.39	9.59
25	10.90	10.75	10.36	10.81	10.74	10.35		9.26	9.01	9.23	9.39	9.60
26	10.90	10.74	10.38	10.83	10.74	10.28		9.23	9.01	9.24	9.38	9.62
27	10.90	10.74	10.39	10.84	10.74	10.23		9.20	9.01	9.24	9.37	9.63
28	10.91	10.74	10.42	10.85	10.75	10.17		9.18	9.01	9.25	9.36	9.65
29	10.91	10.74	10.43	10.87	10.75	10.10		9.14	9.00	9.25	9.35	9.67
30	10.91	10.72	10.44	10.88	---	---		9.10	9.01	9.26	9.34	9.69
31	10.91	---	10.46	10.89	---	---		9.08	---	9.27	9.33	---
MAX	10.91	10.92	10.69	10.89	10.98	10.78		9.75	9.04	9.27	9.39	9.69

WTR YR 1984 MEAN 10.05 HIGH 9.00 LOW 10.98

405211081253500. Local number, ST-27.
LOCATION.--Lat 40°52'11", long 81°25'35", Hydrologic Unit 05040001, Dresler Rd near North Canton.
Owner: North Canton Water Department
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 55 ft, cased.
DATUM.--Altitude of land-surface datum is 1060 ft, from topographic map. Measuring point: Floor of instrument shelter 2.50 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 40.80 ft Aug. 29, 1982; minimum daily low, 7.10 ft June 15, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 31.45 ft Feb. 17; minimum daily low, 9.35 ft May 15.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.80	12.75	10.80	10.20	20.10	27.40	12.05	9.95	11.85	11.25	15.90	15.00
2	14.65	12.70	10.80	10.05	23.90	28.65	11.85	10.00	11.40	11.30	15.15	14.75
3	14.55	12.55	10.75	10.05	25.25	28.30	22.00	10.05	11.05	11.30	14.70	14.45
4	14.45	12.50	10.65	10.15	26.65	---	22.65	9.95	10.70	11.35	23.55	14.30
5	14.45	12.40	10.45	10.20	27.50	17.00	15.10	10.00	10.60	11.35	26.20	14.30
6	15.35	12.35	10.20	10.25	27.95	16.15	13.50	10.00	---	11.35	26.50	14.25
7	14.40	12.25	10.15	10.25	28.20	15.55	12.85	9.95	---	11.25	18.60	14.15
8	14.30	12.20	10.15	10.25	28.35	15.10	20.55	9.70	---	11.30	16.75	20.10
9	14.25	12.15	10.25	10.35	26.95	14.55	23.35	9.65	---	11.20	25.30	22.25
10	14.10	12.10	10.15	10.40	28.45	14.25	18.40	9.50	---	11.20	26.55	17.05
11	14.15	12.05	10.10	10.80	29.35	13.95	14.80	9.45	---	11.20	---	15.25
12	14.05	12.05	9.95	10.50	30.10	13.80	13.75	9.55	10.55	11.35	---	14.90
13	14.00	11.95	9.90	10.35	30.45	13.55	13.15	9.55	10.55	13.75	---	14.70
14	14.00	11.75	9.80	10.50	30.75	20.20	12.85	9.40	10.70	11.70	---	14.50
15	14.00	11.65	10.00	10.50	31.05	24.50	12.35	9.35	10.75	11.65	---	14.40
16	13.85	11.50	10.05	10.35	31.30	25.35	11.40	9.45	10.75	11.70	---	14.35
17	13.75	11.50	10.00	10.55	31.45	18.35	10.65	9.50	10.70	11.75	---	14.10
18	13.60	11.45	9.90	10.60	24.50	15.85	10.40	9.50	10.75	11.85	---	14.00
19	13.80	11.35	9.95	10.50	20.45	14.65	10.45	9.55	10.75	11.85	---	14.00
20	13.75	11.25	10.05	10.75	18.65	14.00	10.50	9.55	10.70	14.90	---	13.95
21	13.75	11.15	10.05	10.75	17.45	13.55	10.45	15.40	10.75	20.50	---	14.15
22	13.65	11.15	9.90	10.70	16.60	12.80	10.35	17.65	10.75	15.35	---	14.00
23	13.45	11.15	9.85	10.65	15.80	12.45	10.25	20.20	10.80	13.85	---	13.80
24	13.35	11.10	9.95	10.65	15.25	12.30	10.25	21.75	10.75	13.20	---	13.80
25	13.25	11.05	9.95	11.60	14.85	22.10	10.20	22.40	10.80	12.90	---	13.80
26	13.15	11.10	9.90	10.70	14.35	23.90	9.95	17.60	10.85	12.75	---	13.90
27	13.10	11.20	10.00	10.50	14.05	18.30	10.00	16.45	10.95	14.65	---	13.90
28	13.05	11.05	10.00	10.45	23.70	14.75	9.95	20.80	11.05	23.00	---	13.90
29	13.05	10.85	9.95	10.55	26.05	13.60	10.05	18.30	11.25	25.45	---	13.70
30	13.00	10.85	10.10	17.30	---	13.00	9.85	13.60	11.20	25.70	15.20	23.55
31	12.85	---	10.15	20.50	---	12.95	---	12.40	---	18.00	15.15	---
MAX	15.35	12.75	10.80	20.50	31.45	28.30	23.35	22.40	11.85	25.70	26.55	22.25

WTR YR 1984 MEAN 14.18 HIGH 9.35 LOW 31.45

SUMMIT COUNTY

410141081315200. Local number, SU-4A.

LOCATION.--Lat 41°01'41", long 81°31'52", Hydrologic Unit 05040001, Firestone well field, Akron.
Owner: Firestone Tire and Rubber Co.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 6 in, depth 60 ft, cased.

DATUM.--Altitude of land-surface datum is 970 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 42.60 ft Oct. 21, 1966; minimum daily low, 3.45 ft Jan. 23, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 19.98 ft Oct. 19; minimum daily low, 8.34 ft Apr. 18.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.63	19.41	16.55	13.81	13.06	11.03	8.76	9.38	11.04	14.44	16.19	17.57
2	19.65	19.37	16.46	13.80	13.01	11.04	8.70	9.51	11.11	14.53	16.27	17.59
3	19.67	19.32	16.36	13.79	12.97	11.06	8.66	9.63	11.22	14.62	16.35	---
4	19.69	19.29	16.25	13.79	12.91	11.07	8.61	9.64	11.32	14.53	16.36	---
5	19.71	19.27	16.14	13.77	12.84	11.07	8.56	9.64	11.44	14.53	16.36	---
6	19.75	19.26	15.96	13.77	12.78	11.07	8.51	9.64	11.60	14.62	16.31	---
7	19.78	19.27	15.79	13.76	12.71	11.07	8.48	9.67	11.75	14.56	16.27	---
8	19.80	19.29	15.59	13.76	12.65	11.05	8.45	9.70	11.89	14.47	16.29	---
9	19.83	19.31	15.41	13.76	12.60	11.01	8.43	9.72	12.01	14.38	16.33	---
10	19.86	19.32	15.27	13.76	12.54	10.96	8.41	9.76	12.13	14.33	16.38	---
11	19.88	19.32	15.16	13.77	12.48	10.90	8.39	9.82	12.26	14.32	16.42	---
12	19.90	19.24	15.07	13.78	12.42	10.83	8.42	9.89	12.39	14.37	16.42	---
13	19.91	19.08	14.97	13.78	12.34	10.78	8.41	9.95	12.52	14.44	16.40	---
14	19.92	18.87	14.89	13.78	12.26	10.72	8.40	10.00	12.66	14.52	16.41	---
15	19.94	18.68	14.80	13.77	12.14	10.68	8.39	10.07	12.78	14.62	16.45	---
16	19.95	18.49	14.70	13.76	12.00	10.63	8.38	10.15	12.89	14.73	16.50	---
17	19.96	18.31	14.57	13.72	11.88	10.57	8.36	10.25	13.00	14.85	16.57	---
18	19.97	18.14	14.44	13.69	11.76	10.47	8.34	10.35	13.10	14.97	16.63	---
19	19.98	17.96	14.32	13.66	11.63	10.36	8.37	10.45	13.19	15.09	16.69	---
20	19.94	17.80	14.23	13.62	11.51	10.25	8.48	10.54	13.29	15.21	16.74	---
21	19.95	17.65	14.16	13.59	11.38	10.14	8.58	10.58	13.38	15.34	16.82	---
22	19.95	17.50	14.10	13.56	11.29	9.96	8.70	10.62	13.47	15.46	16.88	---
23	19.95	17.37	14.04	13.52	11.22	9.76	8.77	10.65	13.56	15.58	16.92	---
24	19.92	17.26	13.98	13.48	11.16	9.59	8.82	10.69	13.65	15.69	16.97	---
25	19.88	17.14	13.93	13.44	11.09	9.45	8.91	10.73	13.73	15.82	17.07	---
26	19.84	17.05	13.90	13.41	11.07	9.30	8.98	10.78	13.83	15.93	17.17	---
27	19.78	16.96	13.87	13.35	11.06	9.19	9.04	10.83	13.93	15.97	17.25	---
28	19.69	16.87	13.85	13.30	11.05	9.09	9.11	10.85	14.05	15.99	17.33	---
29	19.58	16.77	13.82	13.23	11.03	9.00	9.19	10.87	14.18	16.02	17.41	---
30	19.51	16.66	13.81	13.17	---	8.92	9.27	10.91	14.31	16.05	17.49	---
31	19.45	---	13.81	13.11	---	8.84	---	10.97	---	16.11	17.54	---
MAX	19.98	19.41	16.55	13.81	13.06	11.07	9.27	10.97	14.31	16.11	17.54	17.59

WTR YR 1984 MEAN 13.88 HIGH 8.34 LOW 19.98

TRUMBULL COUNTY

411604080505600. Local number, T-3.
LOCATION.--Lat 41°16'04", long 80°50'56", Hydrologic Unit 05030103, N. River Rd near Warren.
Owner: Copperweld Steel Corp.
AQUIFER.--Sandstone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 125 ft, cased.
DATUM.--Altitude of land-surface datum is 890 ft, from topographic map. Measuring point: Floor of instrument shelter 2.50 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--September 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 60.30 ft, July 2, 1975; minimum daily low, 19.35 ft Feb. 21, 1982.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 52.82 ft Jan. 9; minimum daily low, 27.59 ft Mar. 31.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.83	35.55	35.19	51.71	45.33	31.86	27.69	30.95	30.85	35.54		
2	32.61	37.56	35.17	51.70	45.46	31.54	28.18	30.64	30.75	35.69		
3	33.79	38.60	35.05	51.85	46.36	31.03	28.78	30.30	30.48	34.75		
4	34.46	38.50	34.78	51.94	46.30	30.66	28.83	29.68	31.90	37.83		
5	33.71	37.51	34.27	51.98	45.48	30.27	29.03	30.13	32.89	37.14		
6	33.83	36.87	34.39	52.19	46.02	30.05	29.13	30.08	33.20	38.30		
7	34.17	37.67	36.54	52.27	46.39	29.59	29.31	31.03	33.31	38.16		
8	33.55	37.62	37.80	52.47	46.41	30.08	29.31	31.54	34.42	38.72		
9	32.94	37.52	38.10	52.82	46.52	30.68	29.65	30.54	34.46	38.59		
10	33.28	37.21	38.07	52.71	46.44	30.74	29.95	30.08	32.50	38.46		
11	33.46	37.00	37.84	52.56	46.16	30.53	30.36	30.35	32.72	39.44		
12	33.17	36.91	37.50	50.40	45.94	30.02	30.75	29.90	32.98	39.68		
13	33.53	36.84	37.49	50.10	45.76	30.12	31.18	28.99	32.98	39.84		
14	33.50	36.75	37.79	49.65	45.87	30.31	30.86	29.18	33.21	39.32		
15	33.40	36.60	39.11	48.43	46.05	30.23	29.87	29.55	32.88	39.05		
16	33.30	35.75	40.26	47.30	46.05	29.49	29.70	29.19	32.43	39.04		
17	33.63	35.91	40.74	46.50	45.97	28.95	30.30	29.49	32.19	38.96		
18	33.86	36.82	40.59	46.13	44.50	28.14	30.31	29.63	32.65	38.72		
19	33.97	37.04	40.51	45.98	46.87	28.27	29.50	29.21	32.59	38.55		
20	34.45	36.77	40.68	46.37	47.71	28.26	29.41	28.90	34.41	37.92		
21	35.13	38.00	43.44	46.85	46.44	27.88	29.31	29.31	34.97	37.30		
22	34.84	38.03	46.62	47.20	41.43	27.60	29.15	30.07	35.03	36.57		
23	33.69	37.39	47.45	47.20	37.66	28.12	28.92	30.00	35.19	34.71		
24	34.62	36.18	47.78	47.05	35.92	28.13	28.89	29.76	35.40	---		
25	35.20	3[illegible].76	48.02	46.71	35.22	27.84	28.12	30.40	34.92	---		
26	35.19	35.64	48.44	46.09	34.08	27.73	28.39	30.50	36.39	---		
27	35.48	35.22	49.12	45.45	33.29	27.87	28.59	30.12	37.16	---		
28	35.73	35.20	50.09	45.38	32.65	27.85	28.53	29.80	36.75	---		
29	35.78	35.19	51.56	44.99	31.85	27.60	28.35	29.79	36.69	---		
30	35.66	35.19	52.47	44.52	---	27.64	28.79	29.85	36.10	---		
31	35.57	---	52.32	45.22	---	27.59	---	31.00	---	---		
MAX	35.78	38.60	52.47	52.82	47.71	31.86	31.18	31.54	37.16	39.94		

WTR YR 1984 MEAN 36.41 HIGH 27.59 LOW 52.82

TUSCARAWAS COUNTY

403207081293800. Local number, TU-3.
LOCATION.--Lat 40°32'07", long 81°29'38", Hydrologic Unit 05040001, in the northwest part of Dover.
Owner: Dover City Water Department.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 62 ft, cased.
DATUM.--Altitude of land-surface datum is 880 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
PERIOD OF RECORD.--May 1960 to September 1982 continuous, periodic thereafter.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 19.35 ft Nov. 29-30, Dec. 6-8, 1962; minimum daily low, 3.20 ft July 15, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 31, 1983	10.10	Jan. 30, 1984	8.17	Apr. 30,1984	6.40	July 31, 1984	8.35
Nov. 30	9.50	Feb. 29	8.20	May 31	6.09	Aug. 30	8.69
Dec. 28	8.72	Mar. 30	5.77	June 29	7.79	Sept. 28	9.39

TUSCARAWAS COUNTY--Continued.

403557081313600. Local number, TU-4.

LOCATION.--Lat 40°35'57", long 81°31'36", Hydrologic Unit 05040001, near Fire Dept. building in Strasburg. Owner: Strasburg Water Dept.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 42.5 ft, cased.

DATUM.--Altitude of land-surface datum is 920 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Recources, Division of Water.

PERIOD OF RECORD.--June 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 10.68 ft Nov. 3, 1982; minimum daily low, 4.05 ft July 13, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 10.11 ft Oct. 31; minimum daily low, 6.78 ft Apr. 1.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	9.55	8.97	9.19	8.69	6.78	7.13	7.05	7.95	8.54	8.97
2	---	---	9.54	8.97	9.19	8.76	6.87	7.18	7.14	7.93	8.57	8.89
3	---	10.01	9.50	8.94	9.19	8.75	6.86	7.18	7.13	8.06	8.63	8.91
4	---	10.00	9.45	9.01	8.95	8.76	6.88	7.10	7.17	7.99	8.51	9.00
5	---	10.00	9.25	8.78	8.88	8.76	6.88	7.08	7.30	7.95	8.53	9.00
6	---	9.97	9.10	9.08	8.95	8.65	7.01	7.02	7.30	7.78	8.59	9.08
7	---	10.01	9.01	8.99	9.00	8.58	6.94	7.13	7.36	7.53	8.62	9.14
8	---	10.01	8.97	9.03	9.01	8.52	6.95	7.10	7.49	7.65	8.65	9.07
9	---	10.01	9.02	9.12	9.05	8.63	7.01	7.10	7.43	7.59	8.67	9.07
10	---	10.01	8.93	9.13	9.07	8.52	7.04	7.12	7.47	7.68	8.60	9.16
11	---	[illegible]	8.91	9.16	8.99	8.52	7.05	7.14	7.62	7.70	8.48	9.14
12	---	9.89	8.86	9.18	8.78	8.60	7.09	7.08	7.60	7.74	8.49	9.17
13	---	9.85	8.75	9.27	8.78	8.60	7.20	7.10	7.66	7.90	8.55	9.19
14	---	9.94	8.69	9.19	8.63	8.63	7.10	7.18	7.65	7.82	8.60	9.18
15	---	9.88	8.70	9.19	8.48	8.64	7.12	7.21	7.75	7.85	8.64	9.16
16	---	9.87	8.73	9.28	8.38	8.50	7.15	7.25	7.69	7.96	8.67	9.18
17	---	9.84	8.69	9.29	8.45	8.24	7.20	7.33	7.72	7.96	8.77	9.32
18	---	9.87	8.75	9.31	8.34	8.07	7.21	7.42	7.84	8.02	8.71	9.29
19	---	9.76	8.78	9.34	8.35	8.06	7.21	7.36	7.62	8.07	8.72	9.29
20	---	9.75	8.81	9.36	8.42	7.97	7.30	7.38	7.37	8.15	8.79	9.31
21	---	9.81	8.83	9.47	8.45	7.85	7.25	7.30	7.42	8.11	8.82	9.41
22	---	9.78	8.78	9.36	8.45	7.54	7.30	7.18	7.56	8.16	8.82	9.33
23	---	9.77	8.78	9.46	8.46	7.51	7.22	7.09	7.53	8.28	8.88	9.34
24	10.00	9.72	8.72	9.42	8.50	7.36	7.07	6.93	7.50	8.28	8.88	9.40
25	10.00	9.77	8.74	9.16	8.58	7.32	6.99	6.95	7.63	8.34	8.89	9.42
26	10.00	9.73	8.75	9.05	8.55	7.33	6.93	6.89	7.74	8.36	8.91	9.44
27	10.00	9.74	8.81	9.07	8.61	7.31	6.93	6.93	7.71	8.34	9.07	9.52
28	10.00	9.72	8.78	8.96	8.60	7.20	7.00	6.95	7.78	8.33	9.06	9.46
29	---	9.63	8.80	9.02	8.66	7.01	6.93	6.98	7.86	8.34	9.03	9.44
30	---	9.56	8.81	9.09	---	6.99	7.00	6.97	7.82	8.43	9.07	9.45
31	10.11	---	8.78	9.16	---	6.82	---	7.00	---	8.47	8.98	---
MAX	10.11	10.01	9.55	9.47	9.19	8.76	7.30	7.42	7.86	8.47	9.07	9.52

WTR YR 1984 MEAN 8.42 HIGH 6.78 LOW 10.11

403653081321800. Local number, TU-1.
LOCATION.--Lat 40°36'53", long 81°32'18", Hydrologic Unit 05040001, 1.3 mi north of Strasburg.
Owner: Everett Waltz.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 23 ft, cased.
DATUM.--Altitude of land-surface datum is 928.24 ft. Measuring point: Floor of instrument shelter 0.90 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--July 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 15.51 ft Nov. 20-22, 1982; minimum daily low, 6.64 ft July 14, 1969.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 14.96 ft Oct. 17; minimum daily low, 10.14 ft Apr. 2.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.82	14.91	14.23	13.07	13.77	13.10	10.21	10.56	10.57	12.00	13.11	
2	14.83	14.92	14.20	13.12	13.81	13.11	10.14	10.62	10.65	12.06	13.14	
3	14.84	14.92	14.18	13.17	13.81	13.12	10.15	10.63	10.77	12.11	13.15	
4	14.86	14.89	14.16	13.23	13.61	13.13	10.16	10.65	10.87	12.16	13.15	
5	14.86	14.85	14.03	13.26	13.48	13.15	10.17	10.63	10.97	12.16	13.16	
6	14.88	14.83	13.74	13.33	13.54	13.14	10.22	10.57	11.00	12.02	13.19	
7	14.89	14.83	13.48	13.38	13.61	13.03	10.26	10.57	11.05	11.97	13.23	
8	14.89	14.84	---	13.44	13.65	12.88	10.32	10.59	11.12	11.78	13.26	
9	14.91	14.84	---	13.48	13.69	12.83	10.40	10.58	11.20	11.80	13.27	
10	14.92	14.85	---	13.52	13.68	12.80	10.48	10.57	11.29	11.85	13.24	
11	14.93	14.85	---	13.58	13.51	12.83	10.54	10.55	11.38	11.93	13.18	
12	14.93	14.83	---	13.61	13.36	12.86	10.60	10.64	11.45	11.99	13.16	
13	14.93	14.78	---	13.66	13.29	12.89	10.68	10.71	11.55	12.07	13.19	
14	14.93	14.76	---	13.70	13.15	12.93	10.74	10.80	11.56	12.12	13.24	
15	14.94	14.73	---	13.72	12.97	12.93	10.74	10.87	11.63	12.16	13.28	
16	14.94	14.70	---	13.77	12.83	12.89	10.70	10.95	11.69	12.21	13.31	
17	14.96	14.67	---	13.80	12.77	12.68	10.70	11.00	11.74	12.26	13.36	
18	14.92	14.64	---	13.83	12.72	12.39	10.73	11.05	11.82	12.34	13.40	
19	14.92	14.62	---	13.86	12.68	12.20	10.80	11.09	11.52	12.39	13.40	
20	14.92	14.59	---	13.89	12.68	12.00	10.86	11.13	11.27	12.44	13.43	
21	14.92	14.58	---	13.92	12.70	11.87	10.91	11.07	11.30	12.50	13.46	
22	14.92	14.56	---	13.96	12.74	11.54	10.91	10.88	11.39	12.55	13.49	
23	14.91	14.55	---	13.98	12.79	11.30	10.89	10.70	11.45	12.61	13.52	
24	14.88	14.52	---	13.95	12.88	11.13	10.83	10.56	11.50	12.67	13.55	
25	14.83	14.51	---	13.82	12.92	10.98	10.68	10.43	11.59	12.70	13.58	
26	14.82	14.51	---	13.76	12.93	10.90	10.54	10.47	11.64	12.73	13.62	
27	14.82	14.51	---	13.59	12.97	10.81	10.47	10.52	11.73	12.76	13.65	
28	14.83	14.50	---	13.53	13.03	10.70	10.43	10.53	11.80	12.78	13.71	
29	14.86	14.43	12.99	13.54	13.06	10.58	10.44	10.51	11.87	12.91	13.73	
30	14.87	14.29	13.00	13.68	---	10.50	10.49	10.48	11.93	12.88	13.74	
31	14.90	---	13.03	13.73	---	10.34	---	10.51	---	12.93	---	
MAX	14.96	14.92	14.23	13.98	13.81	13.15	10.91	11..3	11.93	12.93	13.74	

WTR YR 1984 MEAN 12.72 HIGH 10.14 LOW 14.96

TUSCARAWAS COUNTY--Continued.

403823081324200. Local number, TU-5.

LOCATION.--Lat 40°38'23", long 81°32'42", Hydrologic Unit 05040001, Sugar Creek well field near Strasburg.
Owner: Canton Water Dept.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 100 ft, cased.

DATUM.--Altitude of land-surface datum is 937.93 ft. Measuring point: Floor of instrument shelter 4.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 12.68 ft Feb. 14, 24, 1977; minimum daily low, 1.05 ft July 9, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 9.96 ft Feb. 3; minimum daily low, 2.27 ft Apr 1.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.83	8.85	8.07	8.05	9.66	8.10	2.27	4.87	5.34	6.77	8.29	7.50
2	8.69	8.97	8.07	---	9.95	---	2.89	4.99	5.62	6.97	8.30	7.73
3	8.93	9.24	7.46	---	9.96	---	3.08	5.02	5.65	6.99	8.17	7.93
4	9.19	9.34	7.42	---	9.92	---	[illegible]	4.74	5.92	6.45	7.67	8.04
5	9.15	8.84	7.27	8.84	9.66	8.25	3.33	4.63	5.66	6.08	7.77	8.07
6	9.32	8.48	6.64	8.61	9.30	8.27	3.49	4.36	5.89	5.56	8.18	8.12
7	8.92	8.83	6.23	8.63	9.50	8.02	3.40	4.62	6.06	5.16	8.20	7.90
8	9.02	8.67	6.43	9.07	---	8.04	3.05	4.78	6.23	5.37	8.19	8.19
9	8.91	8.82	6.54	8.96	9.74	7.92	3.95	4.94	6.20	5.61	8.63	8.54
10	8.95	9.05	6.52	9.28	---	7.98	4.05	4.75	6.49	6.07	8.02	8.46
11	9.16	8.88	6.53	9.22	9.72	7.99	4.14	4.78	6.32	6.57	7.76	8.52
12	9.26	8.85	6.94	---	9.29	---	4.41	4.71	6.61	6.76	7.34	8.49
13	9.20	8.56	6.90	---	8.96	---	4.72	4.58	7.26	6.68	7.70	8.62
14	9.36	8.36	6.80	9.58	8.89	8.23	4.81	4.59	7.38	7.24	7.78	8.57
15	8.96	8.47	7.07	9.68	8.38	8.39	4.70	4.95	6.92	7.37	8.07	8.45
16	9.39	8.20	6.81	9.72	7.19	8.48	4.45	5.15	6.74	7.25	8.23	8.15
17	9.38	8.59	6.53	9.85	6.98	7.39	4.76	5.54	6.68	7.07	8.28	8.75
18	9.35	9.13	6.87	---	7.21	6.56	4.85	5.67	7.24	6.99	8.17	8.60
19	9.47	9.01	---	---	7.03	6.23	4.80	5.60	7.06	7.25	8.03	8.74
20	9.53	8.44	---	---	7.58	5.86	5.25	5.56	6.65	7.38	7.95	8.97
21	9.26	8.47	---	---	7.33	5.82	4.66	5.59	6.80	7.62	7.96	8.85
22	9.19	8.92	7.09	---	7.96	4.69	4.42	5.51	6.86	7.41	8.03	9.18
23	9.00	9.00	6.90	---	7.98	4.34	4.71	5.83	7.10	7.35	8.03	8.78
24	8.95	8.87	6.98	---	7.83	3.57	4.93	4.78	6.86	7.51	8.01	9.10
25	8.79	8.13	6.68	---	7.66	3.18	4.73	5.11	7.35	7.72	8.10	9.00
26	9.00	8.35	7.68	---	7.57	3.26	4.18	4.45	7.57	7.63	8.03	9.01
27	8.84	8.37	7.82	---	7.82	3.69	4.74	4.58	7.64	7.83	8.43	8.94
28	8.65	8.42	7.97	---	7.89	2.95	4.50	4.14	7.40	7.63	8.57	8.92
29	8.67	8.34	8.57	---	8.17	2.80	4.44	4.64	7.24	7.49	8.59	8.94
30	8.87	8.19	8.40	9.22	---	2.47	4.61	5.01	7.07	7.44	8.64	8.84
31	9.09	---	8.37	9.39	---	2.34	---	5.04	---	7.77	8.33	---
MAX	9.53	9.34	8.57	9.85	9.96	8.48	5.25	5.83	7.64	7.83	8.64	9.18

WTR YR 1984 MEAN 7.25 HIGH 2.27 LOW 9.96

UNION COUNTY

401826083255200. Local number, U-4.

LOCATION.--Lat 40°18'26", long 83°25'52", Hydrologic Unit 05060001, 2.6 mi southeast of Raymond.
Owner: State of Ohio.

AQUIFER.--Limestone of Silurian Age .

WELL CHARACTERISTICS.--Drilled test artesian well, diameter 12 in, depth 350 ft, cased to 37 ft.

DATUM.--Altitude of land-surface datum is 1,040 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 24.56 ft Oct. 9, 1983; minimum daily low, 19.32 ft Feb. 24, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 24.56 ft Oct. 9; minimum daily low, 20.29 ft Mar. 26.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.42	24.05	22.13	22.66	22.92	22.18	21.00	21.50	21.92	22.91	23.46	24.08
2	24.43	24.03	22.10	22.64	22.93	22.24	21.09	21.50	21.91	22.89	23.46	24.05
3	24.37	23.81	22.16	22.64	22.74	22.31	21.11	21.40	22.00	22.97	23.48	24.03
4	24.37	23.59	21.94	22.52	22.32	22.32	20.95	21.49	22.07	22.79	23.51	24.11
5	24.39	23.55	21.74	22.55	22.45	22.14	20.32	21.62	22.08	22.77	23.39	24.15
6	24.47	23.55	21.49	22.61	22.66	22.04	20.33	21.66	22.12	22.74	23.43	24.19
7	24.50	23.60	21.56	22.71	22.82	21.99	20.65	21.71	22.14	22.80	23.40	24.17
8	24.51	23.65	21.73	22.79	22.87	21.99	20.76	21.69	22.15	22.87	23.41	24.19
9	24.56	23.67	21.78	22.83	22.81	22.10	20.84	21.76	22.25	22.84	23.45	24.13
10	24.55	23.54	21.87	22.82	22.75	22.03	20.93	21.82	22.29	22.80	23.52	24.09
11	24.47	23.06	21.85	22.92	22.48	22.13	21.02	21.79	22.40	22.77	23.54	24.15
12	24.42	22.93	21.39	22.92	22.30	22.15	21.03	21.95	22.42	22.88	23.56	24.22
13	24.33	22.93	21.37	22.90	22.15	22.12	21.08	21.94	22.43	22.95	23.60	24.20
14	24.39	22.93	21.31	23.06	21.68	22.20	21.13	22.06	22.45	23.03	23.63	24.18
15	24.50	22.84	21.53	23.00	21.82	22.16	21.10	22.07	22.53	22.99	23.65	24.27
16	24.45	22.69	21.82	22.88	21.81	21.75	21.08	22.16	22.53	22.97	23.67	24.34
17	24.46	22.73	21.96	22.99	21.80	21.06	20.99	22.14	22.47	22.98	23.66	24.37
18	24.44	22.72	21.99	23.01	21.83	21.07	21.14	22.09	22.44	23.03	23.67	---
19	24.42	22.72	22.06	22.99	21.74	21.09	21.24	22.03	22.56	23.12	23.71	---
20	24.38	22.63	22.13	23.12	21.83	20.95	21.36	22.04	22.61	23.13	23.78	---
21	24.30	22.69	22.12	23.16	21.87	20.36	21.47	21.98	22.60	23.15	23.84	---
22	24.24	22.74	22.12	23.13	21.91	20.55	21.38	21.76	22.60	23.21	23.80	---
23	23.93	22.71	22.16	23.09	21.89	20.76	20.84	21.77	22.58	23.23	23.82	---
24	23.87	22.24	22.20	22.91	21.87	20.77	20.87	21.84	22.61	23.26	23.92	---
25	23.91	22.31	22.26	22.76	22.10	20.67	21.02	21.77	22.65	23.28	23.97	---
26	23.95	22.39	22.29	22.69	22.16	20.29	21.10	21.95	22.68	23.23	23.98	---
27	23.99	22.42	22.33	22.62	22.12	20.33	21.19	22.06	22.62	23.27	23.91	---
28	23.94	22.13	22.32	22.61	21.96	20.31	21.38	21.97	22.73	23.36	23.89	---
29	24.13	21.86	22.57	22.72	22.12	20.56	21.43	21.98	22.77	23.41	23.91	---
30	24.13	21.99	22.69	22.83	---	20.77	21.42	21.95	22.77	23.40	23.96	---
31	24.11	---	22.68	22.89	---	20.90	---	21.91	---	23.40	24.01	---
MAX	24.56	24.05	22.69	23.16	22.93	22.32	21.47	22.16	22.77	23.41	24.01	24.37

WTR YR 1984 MEAN 22.61 HIGH 20.29 LOW 24.56

VINTON COUNTY

391452082282900. Local number, V-1.
LOCATION.--Lat 39°14'52", long 82°28'29", Hydrologic Unit 05090101, State Highway garage in Vinton.
Owner: Ohio Department of Highways.
AQUIFER.--Sandstone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 218 ft, cased.
DATUM.--Altitude of land-surface datum is 730 ft from topographic map. Measuring Point: Top of platform 2.50 ft below land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--September 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 93.23 ft Apr. 12, 1979; minimum daily low, 49.55 ft Mar. 20, 1963.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 87.90 ft Oct. 9; minimum daily low, 83.71 ft, June 1.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87.72	87.50	86.29	87.27	87.11	85.48	84.90	84.34	83.71	84.61	84.45	85.07
2	87.70	87.55	86.27	87.18	87.04	85.53	84.96	84.37	83.80	84.66	84.55	84.93
3	87.80	87.47	86.01	87.21	86.91	85.65	84.90	84.32	83.77	84.56	84.49	84.94
4	87.69	87.49	85.73	87.05	86.83	85.60	84.68	84.10	83.89	84.46	84.61	84.99
5	87.51	87.50	85.84	86.81	86.80	85.19	84.41	84.12	83.84	84.41	84.40	84.96
6	87.51	87.56	85.79	86.49	86.93	85.28	84.50	84.00	83.95	84.40	84.46	85.03
7	87.49	87.62	85.81	86.64	87.09	85.30	84.57	83.98	84.09	84.46	84.46	85.10
8	87.82	87.65	85.73	86.66	87.11	85.32	84.77	83.87	83.98	84.41	84.33	85.07
9	87.90	87.70	85.67	86.50	87.10	85.63	84.71	83.97	84.02	84.27	84.44	85.10
10	87.36	87.54	85.68	86.37	86.83	85.51	84.49	83.96	84.09	84.31	84.49	84.96
11	87.60	87.37	85.57	86.36	86.69	85.33	84.51	83.93	84.21	84.22	84.59	84.97
12	87.56	87.38	85.27	86.38	86.63	85.34	84.37	84.09	84.44	84.36	84.54	85.08
13	87.64	87.36	85.38	86.29	86.50	85.37	84.36	84.09	84.57	84.51	84.44	85.01
14	87.74	87.12	85.27	86.49	86.50	85.40	84.44	84.14	84.93	84.71	84.48	84.95
15	87.82	87.13	85.28	86.49	86.55	85.44	84.47	84.17	85.30	84.49	84.60	85.26
16	87.80	87.02	85.52	86.18	86.45	85.34	84.20	84.11	85.31	84.44	84.62	85.30
17	87.76	86.97	85.66	86.18	86.33	85.36	84.36	84.25	85.08	84.46	84.58	85.27
18	87.75	86.96	85.62	86.17	86.31	85.26	84.44	84.09	84.85	84.53	84.57	85.30
19	87.70	86.67	85.44	86.21	86.16	85.12	84.48	84.05	84.84	84.55	84.52	85.17
20	87.75	86.61	85.43	86.14	86.06	85.04	84.63	83.89	84.79	84.64	84.71	85.12
21	87.51	86.38	85.42	86.38	86.00	84.73	84.70	84.03	84.96	84.69	84.70	85.07
22	87.45	86.53	85.25	86.44	86.06	84.90	84.56	84.06	84.90	84.59	84.69	85.10
23	87.13	86.40	85.42	86.53	85.92	85.05	84.27	84.13	84.81	84.51	84.76	85.10
24	86.97	86.29	85.42	86.42	85.67	85.04	84.37	84.21	84.71	84.61	84.90	85.08
25	86.96	86.52	85.48	86.71	85.66	84.84	84.38	84.07	84.75	84.70	84.95	84.95
26	86.96	86.62	85.55	86.71	85.85	84.78	84.35	84.10	84.81	84.61	84.94	84.99
27	87.14	86.53	85.62	86.78	85.78	84.76	84.37	84.10	84.89	84.58	84.76	84.98
28	87.16	86.21	85.93	86.77	85.36	84.68	84.28	84.01	84.81	84.72	84.80	84.91
29	87.35	86.26	86.60	86.85	85.36	84.69	84.29	83.90	84.80	84.73	84.87	84.85
30	87.39	86.31	86.97	86.93	---	84.75	84.35	83.89	84.75	84.55	84.83	84.74
31	87.45	---	87.23	87.08	---	84.89	---	83.77	---	84.52	84.96	---
MAX	87.90	87.70	87.23	87.27	87.11	85.65	84.96	84.37	85.31	84.73	84.96	85.30

WTR YR 1984 MEAN 85.48 HIGH 83.71 LOW 87.90

BEST COPY

WARREN COUNTY

392712084191700. Local number, W-5.

LOCATION.--Lat 39°27'12", long 84°19'17", Hydrologic Unit 05080002, Union Rd., 2 mi east of Monroe.
Owner: Bob Proeschel.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diamter 12 in, depth 121 ft, cased.

DATUM.--Altitude of land-surface datum is 660 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 44.60 ft Oct. 29, 1983; minimum daily low, 17.70 ft Apr. 30, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 44.60 ft Oct. 29; minimum daily low, 38.50 ft July 5.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.55	44.25	44.50	43.60	42.85	42.40	41.35	40.15	38.75	39.15	39.00	39.40
2	43.65	44.20	44.30	43.40	42.75	42.40	41.35	39.85	38.75	39.15	39.10	39.35
3	43.65	44.25	44.25	43.45	42.70	42.50	41.20	39.50	38.55	39.00	38.95	39.20
4	43.70	44.20	44.20	43.05	42.65	42.15	40.90	39.70	38.80	38.75	39.05	39.30
5	43.80	44.25	44.20	43.05	42.65	42.10	40.90	40.00	38.80	38.50	38.85	39.35
6	43.80	44.20	44.15	43.05	42.85	42.15	40.95	39.85	38.90	38.85	39.10	39.25
7	43.80	44.15	44.30	43.25	43.10	42.25	41.20	39.70	38.95	38.90	39.10	39.25
8	43.90	44.25	44.30	43.35	42.90	42.40	41.00	39.55	38.95	38.60	39.05	39.20
9	43.90	44.15	44.15	43.30	42.70	42.35	41.00	39.55	39.00	38.75	39.10	39.15
10	43.85	43.95	44.40	43.20	42.60	42.15	41.00	39.60	38.95	38.70	39.15	39.10
11	43.90	44.25	43.90	43.35	42.65	42.25	41.25	39.50	39.35	38.75	39.25	39.20
12	43.65	44.35	43.90	43.35	42.60	42.15	40.85	39.55	39.15	38.95	39.25	39.20
13	43.80	44.20	43.80	43.20	42.45	42.25	40.65	39.40	39.35	38.95	39.15	39.25
14	44.10	44.20	43.55	43.10	42.65	42.30	40.60	39.50	39.00	39.05	39.35	39.30
15	44.05	44.05	43.85	43.15	42.75	41.95	40.40	39.55	39.00	38.80	39.35	39.40
16	44.05	44.20	44.05	43.20	42.55	42.05	40.45	39.65	39.10	38.90	39.40	39.40
17	44.05	44.35	44.20	42.95	42.50	42.00	40.50	39.60	39.10	38.95	39.40	39.45
18	44.00	44.20	43.95	43.05	42.45	41.85	40.65	39.35	38.95	39.05	39.10	39.20
19	44.10	44.15	43.85	43.00	42.25	41.70	40.70	39.26	38.95	39.35	39.25	39.05
20	44.00	44.20	43.70	43.00	42.45	41.30	40.75	39.15	38.90	39.20	39.50	39.15
21	43.95	44.35	43.30	43.00	42.35	41.30	40.55	39.05	38.90	39.20	39.40	39.35
22	43.95	44.45	43.60	43.25	42.35	41.60	40.10	39.05	38.75	39.35	39.10	39.50
23	43.85	44.15	43.65	42.75	42.20	41.80	39.85	39.20	38.80	39.45	39.10	39.45
24	44.05	44.35	43.75	42.75	42.20	41.85	40.15	39.05	38.65	39.45	39.15	39.20
25	44.25	44.35	43.60	42.85	42.55	41.55	40.15	39.00	38.85	39.05	39.40	---
26	44.10	44.40	43.65	42.90	42.55	41.35	40.25	39.10	38.85	39.05	39.35	39.35
27	44.30	44.25	43.50	42.85	42.05	41.15	40.05	39.20	38.85	38.95	39.30	39.35
28	44.20	44.10	43.50	42.65	42.10	41.00	40.25	38.75	38.90	39.05	39.05	39.45
29	44.60	44.25	43.85	42.85	42.40	41.35	40.05	39.00	39.05	38.95	39.25	39.50
30	44.45	44.35	43.85	42.95	---	41.50	40.00	38.95	39.05	39.00	39.35	39.45
31	44.25	---	43.60	43.00	---	41.55	---	38.80	---	39.00	39.45	---
MAX	44.60	44.45	44.50	43.60	43.10	42.50	41.35	40.15	39.35	39.45	39.50	39.50

WTR YR 1984 MEAN 41.35 HIGH 38.50 LOW 44.60

WASHINGTON COUNTY

392553081281600. Local number, WA-2.
LOCATION.--Lat 39°25'53", long 81°28'16", Hydrologic Unit 05040004 near county fairgrounds north of Marietta. Owner: Marietta Water Dept.
AQUIFER.--Sand and gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in depth, 50 ft, cased.
DATUM.--Altitude of land-surface datum is 605 ft, from topographic map. Measuring point: Floor of instrument shelter 3.00 ft above land-surface datum.
REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 34.84 ft Feb. 10, 1984; minimum daily low, 18.72 ft June 28, 1972.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 34.84 ft Feb. 10; minimum daily low, 26.56 ft Apr. 7.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.51	32.75	31.73	31.70	34.58	31.76	28.10	29.72	28.57	31.71	32.56	32.18
2	32.45	32.88	31.84	31.94	34.00	31.99	28.61	29.99	28.92	31.34	32.37	32.04
3	32.56	33.09	32.06	32.13	34.04	32.25	28.61	30.19	29.32	31.63	32.25	32.18
4	32.44	33.00	31.92	32.36	34.58	32.32	28.70	30.49	29.85	31.79	32.21	32.16
5	32.58	32.93	31.24	32.39	34.31	32.04	27.85	30.43	30.25	31.79	32.19	32.41
6	32.65	32.81	30.72	32.62	34.22	32.37	27.77	30.41	30.71	31.75	32.03	32.51
7	32.60	32.85	30.58	32.04	34.39	32.22	26.56	30.45	31.04	31.83	31.63	32.55
8	32.66	33.11	30.42	32.41	34.59	32.00	26.98	30.69	31.04	31.19	31.72	32.41
9	32.60	33.35	30.26	32.77	34.67	32.24	27.61	30.54	31.30	31.45	31.55	32.37
10	32.58	33.24	30.42	33.13	34.84	32.29	27.41	30.38	31.35	31.84	31.64	32.25
11	32.76	32.84	30.40	33.36	34.03	32.63	27.14	30.20	31.62	31.22	31.81	32.15
12	32.76	32.54	30.05	33.47	34.05	32.68	27.39	30.29	---	30.14	31.64	32.73
13	32.74	32.24	29.32	33.65	34.38	32.89	29.18	29.94	31.90	30.33	31.40	32.70
14	32.84	32.83	29.13	33.60	33.63	32.84	29.88	29.53	32.02	30.80	30.92	32.74
15	32.73	32.82	29.43	33.81	32.49	32.74	30.00	29.56	32.07	31.12	31.18	32.79
16	32.59	32.38	29.83	33.86	31.03	32.64	29.66	29.86	32.18	31.40	31.26	32.81
17	32.70	32.58	30.18	33.92	30.99	32.67	29.54	29.92	32.27	31.45	30.94	32.79
18	32.90	32.60	30.08	34.01	30.90	32.40	29.71	30.49	32.23	31.90	31.05	32.86
19	32.50	32.19	30.16	34.20	30.72	32.28	29.80	30.74	32.09	32.10	31.14	32.90
20	32.84	32.45	30.70	34.37	30.63	32.33	30.01	30.84	31.79	32.17	31.39	32.93
21	32.70	32.53	31.24	34.39	30.54	31.83	30.13	30.86	31.65	32.16	31.42	32.99
22	32.76	32.45	30.74	34.48	30.48	30.87	30.09	30.60	31.62	32.12	31.50	32.96
23	32.68	32.51	30.21	34.60	30.85	30.47	28.94	30.21	31.80	32.28	31.44	32.75
24	32.84	32.23	30.84	34.68	30.96	30.34	28.71	29.84	31.55	32.33	31.66	32.93
25	32.64	32.13	30.87	34.60	31.36	30.39	28.35	29.47	31.95	32.24	31.39	32.39
26	32.09	32.02	31.45	34.44	31.37	29.63	28.33	29.74	31.49	32.17	31.39	32.96
27	32.12	31.99	31.92	34.38	31.44	29.12	28.49	29.68	31.53	32.02	31.38	32.75
28	32.27	32.34	31.83	34.40	31.64	29.00	29.15	30.10	31.96	32.14	31.49	33.33
29	32.62	31.65	31.92	34.39	31.50	28.50	29.44	28.53	32.13	32.00	31.73	33.06
30	32.79	31.24	31.77	34.36	---	27.75	29.47	27.22	31.83	32.05	31.87	32.94
31	32.76	---	31.73	34.39	---	28.05	---	27.94	---	32.20	32.14	---
MAX	32.90	33.35	32.06	34.68	34.84	32.89	30.13	30.86	32.27	32.33	32.56	33.33

WTR YR 1984 MEAN 31.64 HIGH 26.56 LOW 34.84

WAYNE COUNTY

404655081553200. Local number, WN-3.

LOCATION.--Lat 40°46'55", long 81°55'32", Hydrologic Unit 05040003, OARDC-OSU Experiment Station near Wooster. Owner: OARDC-OSU.

AQUIFER.--Shale of Mississippian Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 8 in, depth 20 ft, cased.

DATUM.--Altitude of land-surface datum is 1040 ft, from topographic map. Measuring point: Floor of instrument shelter 3.50 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--June 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 16.17 ft Jan. 27, 29, 1956; minimum daily low, 10.51 ft Feb. 12, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum recorded daily low, 14.63 ft Jan. 23-24; minimum recorded daily low, 10.65 ft Mar. 16.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.50	11.99	13.73	13.08	13.42	12.07			---		---
2	---	12.93	12.16	13.79	13.23	13.48	12.17			---		---
3	---	12.70	12.49	13.87	13.28	13.52	12.23			---		---
4	---	12.47	12.61	13.92	11.33	13.53	---			---		---
5	---	12.66	11.33	13.95	11.93	11.32	---			---		---
6	---	12.88	11.36	13.98	12.12	11.64	---			---		---
7	---	13.08	11.51	13.99	12.31	11.93	---			---		---
8	---	13.24	11.88	14.00	12.58	12.28	---			---		---
9	---	13.28	12.06	14.02	12.79	12.40	---			---		---
10	---	11.53	12.16	14.05	12.89	12.59	---			---		13.71
11	---	12.01	12.26	14.08	12.92	12.70	---			---		13.64
12	---	12.15	12.33	14.11	11.68	12.80	12.79			---		13.68
13	---	12.28	12.33	14.16	11.86	12.87	12.87			---		13.74
14	---	12.38	12.35	14.21	11.90	12.98	12.89			---		13.75
15	---	12.40	12.40	14.24	11.31	12.98	12.15			---		13.73
16	---	12.46	12.48	14.27	11.82	10.65	11.91			---		13.75
17	---	12.55	12.61	14.31	11.96	11.17	11.10			---		13.84
18	---	12.65	12.80	14.35	12.05	11.32	11.40			---		13.90
19	12.99	12.68	12.94	14.39	12.11	11.35	11.83			14.00		13.96
20	13.05	12.73	13.07	14.41	12.24	11.30	12.06			14.06		14.01
21	13.19	12.79	13.18	14.50	12.39	10.72	12.17			14.10		14.03
22	13.27	12.89	13.25	14.60	12.52	11.10	12.20			14.14		14.05
23	12.10	12.98	13.25	14.63	12.72	11.18	11.24			14.18		14.07
24	11.82	13.02	13.14	14.63	12.88	11.31	11.22			14.21		14.10
25	12.08	13.10	13.26	11.84	13.00	11.57	11.58			---		14.12
26	12.27	13.20	13.39	11.89	13.14	11.68	11.81			---		14.14
27	12.45	13.30	13.45	11.94	13.19	11.80	11.98			---		14.14
28	12.83	13.34	13.48	12.10	13.25	11.06	---			---		14.15
29	13.00	13.38	13.48	12.30	13.35	11.26	---			---		14.16
30	13.25	11.53	13.57	12.50	---	11.56	---			---		14.17
31	13.44	---	13.66	12.80	---	11.86	---			---		---
MAX	13.44	13.50	13.66	14.63	13.35	13.53	12.89			14.21		14.17

WTR YR 1984 MEAN 12.82 HIGH 10.65 LOW 14.63

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

BEST COPY AVAILABLE

WAYNE COUNTY--Continued.

404802081583100. Local number, WN-2A.

LOCATION.--Lat 40°48'02", long 81°58'31", Hydrologic Unit 05040003, in well field by Kilbuck Creek near Wooster. Owner: Wooster Water Dept.

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled test water-table well, diameter 6 in, depth 65 ft, cased.

DATUM.--Altitude of land-surface datum is 855 ft, from topographic map. Measuring point: Floor of instrument shelter 6.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--July 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 34.45 ft Feb. 17, 1972; minimum daily low, 2.35 ft Jan. 28, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 32.01 ft Sept. 27; minimum daily low, 22.08 ft June 5-6.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.97	26.79	28.33	---	30.11	30.54	27.48	23.64	22.16	26.55	29.37	30.90
2	25.02	26.85	28.38	---	30.13	30.54	27.19	23.57	22.14	---	29.50	29.69
3	25.07	26.90	28.42	---	30.16	30.54	26.96	23.50	22.12	27.44	29.48	29.14
4	25.13	26.97	28.46	---	30.18	30.54	26.74	23.43	22.09	27.20	29.04	30.25
5	25.20	27.02	28.50	---	30.19	30.54	26.52	23.37	22.08	27.02	28.04	30.36
6	25.26	27.07	28.54	---	30.22	30.54	26.32	23.28	22.08	26.75	29.00	30.57
7	25.32	27.12	28.59	---	30.24	30.55	26.14	23.20	22.09	26.30	29.21	30.82
8	25.38	27.18	28.63	---	30.27	30.55	25.95	23.13	---	26.17	29.48	30.35
9	25.43	27.24	28.68	---	30.29	30.56	25.78	23.08	---	26.75	29.62	30.38
10	25.49	27.30	28.71	---	30.31	30.56	25.64	23.01	---	27.26	29.59	30.54
11	25.54	27.36	28.74	---	30.33	30.56	25.52	22.96	---	27.34	29.61	31.01
12	25.61	27.41	28.78	---	30.35	30.57	25.39	22.90	---	27.61	28.61	31.06
13	25.67	27.46	28.82	---	30.36	30.57	25.28	22.83	---	27.88	29.08	31.22
14	25.73	27.51	28.86	---	30.38	30.57	25.17	22.76	---	27.90	29.38	31.32
15	25.79	27.57	28.89	---	30.41	30.58	25.04	22.71	---	27.54	29.89	30.93
16	25.85	27.62	28.93	---	30.43	30.58	24.92	22.67	---	27.85	30.10	30.58
17	25.91	27.67	28.96	---	30.44	30.58	24.82	22.63	---	27.92	30.10	30.97
18	25.97	27.73	28.99	---	30.46	30.58	24.74	22.60	---	28.04	30.06	31.02
19	26.02	27.78	29.02	---	30.46	30.58	24.65	22.57	---	27.99	29.89	31.25
20	26.08	27.83	---	---	30.47	30.58	24.58	22.53	---	28.33	29.73	31.44
21	26.14	27.88	---	---	30.48	30.58	24.48	22.50	---	28.38	30.27	31.59
22	26.20	27.92	---	---	30.49	30.57	24.38	22.47	---	27.93	30.46	31.35
23	26.25	27.99	---	---	30.50	30.49	24.27	22.45	---	28.28	30.57	31.09
24	26.31	28.04	---	---	30.52	30.30	24.21	22.43	---	28.80	30.66	31.23
25	26.37	28.08	---	29.93	30.52	29.95	24.15	22.41	---	29.15	30.50	31.50
26	26.43	28.12	---	29.96	30.53	29.53	24.07	22.39	26.49	29.37	29.81	31.63
27	26.49	28.15	---	29.99	30.53	29.15	23.99	22.34	26.54	29.49	30.00	32.01
28	26.56	28.19	---	30.02	30.53	28.77	23.91	22.30	26.83	28.92	30.56	31.71
29	26.61	28.24	---	30.04	30.54	28.42	23.81	22.24	27.15	28.40	30.85	31.41
30	26.67	28.28	---	30.06	---	28.09	23.71	22.21	26.80	28.86	30.89	31.24
31	26.72	---	---	30.08	---	27.79	---	22.18	---	29.07	30.89	---
MAX	26.72	28.28	29.02	30.08	30.54	30.58	27.48	23.64	27.15	29.49	30.89	32.01

WTR YR 1984 MEAN 27.78 HIGH 22.08 LOW 32.01

WAYNE COUNTY--continued

405745081510200. Local number, WN-7.

LOCATION.--Lat 40°57'45", long 81°51'02", Hydrologic Unit 05040001, in well field along Steele Ditch near Sterling. Owner: Rittman Water Department

AQUIFER.--Sand and gravel of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 123 ft, cased.

DATUM.--Altitude of land-surface datum is 965 ft, from topographic map. Measuring point: Floor of instrument shelter 5.00 ft above land-surface datum.

REMARKS.--Station operated by Ohio Department of Natural Resources, Division of Water.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 24.25 ft Jan. 1, 1984; minimum daily low, 5.38 ft Jan. 17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily low, 24.25 ft Jan. 1; minimum daily low, 15.95 ft May. 28.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.60	20.00	20.50	24.25	19.30	19.85	---	16.55	16.30	18.25	18.25	20.00
2	18.55	20.05	20.40	23.70	19.35	19.30	16.60	16.50	16.55	18.95	18.15	19.20
3	18.75	20.05	20.50	23.25	19.15	19.30	16.55	16.35	16.50	19.40	18.10	19.25
4	18.60	18.75	20.45	21.85	19.25	19.10	16.40	16.15	17.10	19.10	22.45	19.35
5	18.55	18.80	20.95	21.65	19.15	19.00	16.40	16.15	16.85	18.90	19.10	19.40
6	18.60	18.80	20.25	21.45	19.35	18.90	16.30	16.15	18.05	18.65	18.25	19.70
7	19.85	18.85	---	21.65	19.45	18.95	16.50	18.85	17.35	18.85	19.10	19.40
8	19.90	19.00	---	21.30	19.60	18.75	---	18.25	17.10	19.75	18.70	19.45
9	19.80	22.25	---	21.35	22.15	18.75	16.45	16.30	17.30	18.20	18.50	19.25
10	19.90	18.80	---	21.40	19.50	18.75	16.50	19.25	17.35	18.70	18.15	19.30
11	19.85	18.70	---	20.95	19.60	18.65	16.50	16.40	17.55	20.40	18.25	19.40
12	19.80	18.75	---	22.35	19.45	18.75	---	16.45	17.80	18.70	18.15	19.55
13	19.75	18.65	---	21.60	19.40	18.70	---	16.20	---	18.00	17.90	19.45
14	19.80	18.75	---	22.15	19.35	18.80	---	16.85	---	17.85	18.10	19.35
15	19.85	18.55	---	21.30	19.40	18.65	---	16.45	---	17.75	18.25	19.75
16	19.75	18.55	---	21.25	19.35	18.70	---	16.90	---	17.75	18.35	18.55
17	19.90	18.55	---	18.65	19.15	17.35	---	16.75	---	17.70	18.90	19.60
18	19.85	18.75	---	21.05	19.25	17.20	---	16.80	---	17.70	19.90	19.35
19	19.85	21.50	---	19.60	19.25	17.25	---	16.50	---	17.75	18.55	18.60
20	19.90	18.50	---	19.80	19.30	17.15	---	16.10	---	17.95	18.20	19.60
21	19.85	18.65	---	19.65	19.10	16.95	---	16.30	---	18.00	19.65	19.70
22	19.80	18.65	---	19.75	19.10	17.05	---	16.40	---	18.50	19.65	19.85
23	19.60	18.55	---	19.70	19.05	19.05	---	16.50	---	18.25	19.40	18.55
24	19.75	18.50	---	22.00	18.85	17.20	---	16.70	---	18.10	19.80	19.95
25	22.65	19.55	---	20.40	18.95	16.95	---	16.70	---	18.00	19.65	19.65
26	22.15	19.95	---	19.60	19.00	17.10	16.25	16.30	---	17.75	22.00	18.50
27	21.85	20.05	---	19.70	18.90	---	16.30	16.20	---	18.15	19.50	19.35
28	21.95	20.10	---	19.55	21.00	---	16.35	15.95	---	17.70	19.65	19.30
29	22.60	20.25	---	19.50	21.65	---	16.25	16.05	18.65	17.95	19.80	18.35
30	22.55	20.45	---	19.30	---	---	16.85	16.10	18.30	---	19.60	19.30
31	21.00	---	22.45	19.35	---	---	---	16.35	---	21.30	19.45	---
MAX	22.65	22.25	22.45	24.25	22.15	19.85	16.85	19.25	18.65	21.30	22.45	20.00

WTR YR 1984 MEAN 18.89 HIGH 15.95 LOW 24.25

405805081462300. Local number, WN-6.
LOCATION.--Lat 40°58'05", long 81°46'23", Hydrologic Unit 05040001, Salt Street, Rittman.
Owner: Tenneco, Inc.
AQUIFER.--Sand and gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 180 ft, cased.
DATUM.--Altitude of land-surface datum is 960 ft, from topographic map. Measuring point: Floor of instrument shelter 2.30 ft above land-surface datum.
REMARKS--Station operated by Ohio Department of Natural Resources, Division of Water.
PERIOD OF RECORD.--May 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily low, 92.80 ft July 21, 1971; minimum daily low, 69.87 ft Apr. 22, 1984.
EXTREMES FOR CURRENT YEAR.--Maximum daily low, 76.39 ft Sept. 1; minimum daily low, 69.87 ft Apr. 22.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.39	76.06	71.84	70.60	72.15	72.55	72.21	71.52	71.10	72.11	71.36	75.39
2	73.32	73.23	71.81	70.33	72.13	72.63	71.99	71.50	69.89	72.17	71.40	70.95
3	73.20	72.89	71.74	72.28	71.81	72.57	72.00	71.32	69.89	72.13	71.34	70.91
4	73.03	72.89	71.46	72.17	71.76	72.57	71.49	71.26	71.12	71.98	71.29	71.16
5	73.13	72.70	71.51	72.17	71.84	72.02	70.97	71.47	---	71.92	71.28	71.35
6	73.38	72.67	71.33	72.24	72.21	72.15	71.26	71.47	---	71.94	71.21	73.01
7	73.47	72.74	71.54	72.44	72.49	72.30	71.59	71.31	---	72.19	71.08	71.37
8	73.47	72.81	71.72	72.65	72.52	72.24	71.63	71.17	---	72.25	71.07	71.36
9	73.55	72.77	71.72	72.72	72.24	72.04	71.73	71.31	---	72.17	71.42	71.01
10	73.50	72.49	71.88	72.64	72.13	71.86	71.70	71.42	---	71.26	71.47	70.94
11	73.38	72.32	71.85	72.86	72.04	71.87	71.68	71.28	---	71.15	71.52	71.01
12	73.28	72.64	71.36	72.91	72.06	71.95	71.61	71.33	---	71.24	71.54	71.30
13	73.03	72.64	71.37	72.72	71.86	71.65	71.40	71.32	---	71.35	71.54	74.52
14	73.30	72.50	71.06	72.88	71.94	71.84	71.38	71.49	---	71.42	71.80	75.28
15	73.44	72.38	71.22	72.86	72.04	71.65	71.21	71.67	---	71.31	71.56	71.08
16	73.42	72.15	71.70	72.53	72.02	71.81	71.06	71.74	---	71.11	71.38	71.20
17	73.35	72.48	71.81	72.64	71.77	71.77	71.04	70.67	---	71.11	71.27	71.35
18	73.38	72.48	71.81	72.65	71.86	71.45	71.39	70.45	---	71.29	70.79	71.43
19	73.47	72.40	71.74	72.50	72.21	71.40	71.49	70.35	---	71.44	70.84	70.90
20	73.41	72.24	71.75	72.64	72.33	70.83	71.72	70.46	---	71.43	71.41	73.28
21	73.37	72.36	71.74	72.71	72.44	70.37	71.75	70.52	---	71.48	71.49	71.52
22	73.30	72.48	71.54	72.65	72.45	71.69	69.87	70.47	---	71.55	71.24	71.55
23	72.96	72.40	71.58	72.51	72.29	72.06	70.86	70.85	---	71.50	71.37	71.67
24	73.03	72.26	---	72.00	72.14	72.01	71.17	71.40	---	71.43	70.99	71.53
25	73.06	71.43	---	72.07	72.62	71.82	71.37	71.47	---	71.46	71.07	71.42
26	73.03	71.56	---	72.11	72.80	71.88	71.45	70.35	---	71.38	71.05	71.77
27	73.14	71.46	---	72.08	72.71	71.86	71.46	70.36	---	71.37	70.92	71.77
28	73.01	71.14	---	72.05	72.07	71.50	71.70	70.04	---	71.51	75.76	71.64
29	73.49	71.43	---	71.96	72.41	71.86	71.78	71.14	71.94	71.54	75.95	71.63
30	73.49	71.70	72.03	72.03	---	72.13	71.45	70.75	71.97	71.49	76.09	71.61
31	73.33	---	72.03	72.17	---	72.21	---	70.98	---	71.39	76.30	---
MAX	73.55	76.06	72.03	72.91	72.80	72.63	72.21	71.74	71.97	72.25	76.30	75.39

WTR YR 1984 MEAN 71.96 HIGH 69.87 LOW 76.39

Page

Access to WATSTORE........................... 18
Accuracy of the records........................ 14
Acknowledgements............................... III
Acre-foot, definition of 3
Adamsville, Raccoon Creek at 119
Adenosine triphosphate (ATP), definition of. 3
Africa, Alum Creek at 138
Algae, definition of........................... 3
Algal growth potential, definition of 3
Alliance, Mahoning River at 27
Alum Creek, at Africa 138
  at Columbus 139
Aquifer, definition of 3
Armstrongs Mills, Captina Creek at 54
Artesian, definition of 3
Artificial substrate, definition of 8
Ash mass, definition of 3
Athens, Hocking River below 103

Bacteria, definition of 3
Bainbridge, Paint Creek
    below Paint Creek Dam near 145
Barretts Mills, Rocky Fork near 146
Batavia, East Fork Little Miami River near.. 181
Beach City, Sugar Creek below Beach City
    Dam near 70
Beaver River basin,
  gaging-station records in 27
Bed load, definition of 7
Bed load discharge, definition of 7
Bed material, definition of 3
Bellepoint, Mill Creek near 131
Berlin Center, Mahoning River near 38
Big Darby Creek, at Darbyville 141
Big Walnut Creek, at Central College 137
  at Rees 140
Biochemical oxygen demand, definition of ... 3
Biomass, definition of 3
Black Fork, at Loudonville 78
  below Charles Mill Dam, near Mifflin...... 77
Blaine, Wheeling Creek below................. 50
Blue-green algae, definition of 6
Bokengehalas Creek near DeGraff 185
Bokes Creek near Warrensburg................. 130
Bottom material (see Bed material)........... 4
Bourneville, Paint Creek near 147
Bradford, Greenville Creek near 191
Burlingham, West Branch Shade River near ... 106

Cambridge, Wills Creek at 87
  Salt Fork Lake near 88
Camden, Sevenmile Creek at 212
Canton, Middle Branch Nimishillen Creek at . 66
Captina Creek at Armstrong Mills 54
Carthage, Mill Creek at 184
Cells/volume, definition of 4
Central College, Big Walnut Creek at 137
  Hoover Reservoir at 159
Cfs-day, definition of 4
Chemical oxygen demand, definition of 4
Chester, Shade River near 112
Chillicothe, Scioto River at 144
Chlorophyll, definition of 4
Claridon, Olentangy River at 133
Clear Creek near Rockbridge.................. 101
Clear Fork below Pleasant Hill Dam,
    near Perrysville 79
Color Unit, definition of 4
Columbus, Alum Creek at 139
  Griggs Reservoir near 159
  Scioto River at 136
Contents, definition of 4
Control, definition of 4
Control structure, definition of 4
Cooperation 1
Cortland, Mosquito Creek near................ 35
Coshocton, Mill Creek near 84
  Muskingum River near 85
Crest-stage partial-record stations 216
Cubic feet per second per square mile,
    definition of 4
Cubic foot per second, definition of 4

Darbyville, Big Darby Creek at 141
Dayton, Great Miami River at 198
  Mad River near 197
DeGraff, Bokengehalas Creek near 185
Deer Creek, at Williamsport.. 143
  near Pancoastburg 142
Definition of terms 3
Delaware, Olentangy River near 134
Diatoms, definition of 6
Dillon Falls, Licking River near 94
Dillonvale, Short Creek near 49
Discharge, definition of 4
Dissolved, definition of 4
Dissolved-solids concentration,
    definition of 4
Dover, Tuscarawas River near 69
Downstream order and station number 11
Drainage area, definition of 4
Drainage basin, definition of 4
Dresden, Muskingum River at 91
Dry mass, definition of 3
Dublin, Scioto River near 132
  O'Shaughnessy Reservoir near 159

Eagle City, Mad River at St. Paris Pike at . 195
Eagle Creek at Phalanx Station 33
East Branch Shade River near Tuppers Plains. 113
East Fork Little Miami River near Batavia .. 181
East Fork Little Miami River at Perintown .. 182
East Liverpool, Little Beaver Creek near ... 47
Englewood, Stillwater River at 193
Enterprise, Hocking River at 102

Factors for converting U.S. customary units
  to International System (SI) units .Inside back cover
Fecal-coliform bacteria, definition of 3
Fecal streptococcal bacteria, definition of. 3
Frazeysburg, Wakatomika Creek near 90

Gage height, definition of 4
Gaging Station, definition of 4
Gaging-stations, in downstream order,
  for which records are published 27
Georgetown, Whiteoak Creek near 164
Germantown, Twin Creek near 211
Great Miami River at Dayton 198
  at Hamilton 213
  near Linden Avenue at Miamisburg 201
  at Miamisburg 200
  at New Baltimore 214
  at Sidney 186
  at Taylorsville 190
  at Troy 189
Great Miami River basin, gaging-station
  records in 185
Green algae, definition of 6
Greenville Creek near Bradford 191
Griggs Reservoir near Columbus 159
Ground water records
  Data Collection and Computation,
    explanation of 17
  Data Presentation, explanation of 17
Ground-water stations for which records
  are published 221

Hamilton, Great Miami River at 213
Hammondsville, Yellow Creek near 48
Hardness, definition of 5
Hebron, South Fork Licking River near 92
Higby, Scioto River at 148
Hocking River at Enterprise 102
  below Athens 103
Hocking River basin, gaging-station
  records in 101
Hoover Reservoir at Central College 159
Hydrologic bench-mark station,
  explanation of 5
Hydrologic conditions for 1984 water year .. 2
Hydrologic unit, definition of 5

Ingomar, Twin Creek near 210
Instantaneous discharge, definition of 4

Page

Introduction 1

Kale Creek near Princetown 30
Killbuck, Killbuck Creek at 83
Killbuck Creek, at Killbuck 83
Kinsman, Pymatuning Creek at 46
Kokosing River at Mount Vernon 81

Lake Fork below Mohicanville Dam near Mohicanville 80
Lakes and reservoirs:
  Griggs Reservoir.......... 159
  Hoover Reservoir 159
  O'Shaughnessy Reservoir 159
  Salt Fork Lake 88
Leavittsburg, Mahoning River at 34
Leesville, McGuire Creek below Leesville Dam near 68
Licking River below Dillon Dam near Dillon Falls 94
  near Newark 93
  South Fork, near Hebron 92
List of gaging-stations in downstream order, for which records are published VI
List of ground water stations for which records are published VIII
Little Beaver Creek, near East Liverpool ... 47
Little Beaver Creek, basin, gaging-station records in 47
Little Miami River at Milford 167
  East Fork, at Perintown 182
    near Batavia 181
  near Oldtown 165
Little Miami River basin, gaging station records in 165
Little Stillwater Creek, below Tappan Dam at Tappan 75
Lockington, Loramie Creek at 188
Loramie Creek at Lockington 188
  near Newport 187
Loudonville, Black Fork at 78
Lowellville, Mahoning River at 36
  Mahoning River at OH-PA state line below . 37

Mad River at St. Paris Pike at Eagle City .. 195
  near Dayton 197
  near Springfield 196
  near Urbana 194
Mahoning River at Alliance.......... 27
  at Leavittsburg 34
  at Lowellville 36
  at OH-PA State Line, below Lowellville ... 37
  at Pricetown below Berlin Dam, near Berlin Center 28
    West Branch, below Michael J. Kirwan Dam, at Wayland 32
      near Ravenna 31
Massies Creek at Wilberforce 166
Massillon, Tuscarawas River at 55
McConnelsville, Muskingum River at.......... 95
McGaw, Upper Twin Creek at 160
McGuire Creek below Leesville Dam near Leesville 68
Mean concentration, definition of.......... 7
Mean discharge, definition of 4
Measuring point (MP), definition of 5
Metamorphic stage, definition of 5
Methylene blue active substance, definition of 5
Miamisburg, Great Miami River at 200
  Great Miami River near Linden Avenue at .. 201
Micrograms per gram, definition of.......... 5
Micrograms per kilogram, definition of 5
Micrograms per liter, definition of 5
Middle Branch Nimishillen Creek at Canton .. 66
Mifflin, Black Fork near 77
Milford, Little Miami River at 167
Mill Creek basin, gaging-station records in. 183
Mill Creek (Mill Creek basin) at Carthage .. 184
  at Reading 183
Mill Creek (Muskingum River basin) near Coshocton 84

Page

Mill Creek (Scioto River basin) near Bellepoint 131
Milligrams per liter, definition of 5
Mohicanville, Lake Fork near 80
Mosquito Creek below Mosquito Creek Dam near Cortland 35
Mount Vernon, Kokosing river at 81
Muskingum River at Dresden 91
  at McConnelsville 95
  near Coshocton 85
Muskingum River basin, gaging station records in 55

National Geodetic Vertical Datum of 1929 (NGVD), explanation of 5
National stream-quality accounting network (NASQAN), explanation of 5
Navarre, Tuscarawas River at 56
Nellie, Walhonding River at 82
New Baltimore, Great Miami River at.......... 214
Newark, Licking River near 93
Newcomerstown, Tuscarawas River at 76
Newport, Loramie Creek near 187
Nimishillen Creek, at North Industry 67
North Industry, Nimishillen Creek at 67
Numbering system for wells and miscellaneous sites 11

O'Shaughnessy Reservoir, near Dublin 159
Ohio Brush Creek near West Union.......... 163
Oldtown, Little Miami River near 165
Olentangy River at Claridon 133
  near Delaware 134
  near Worthington 135
Organic mass, definition of 3
Organism, definition of 5
  count/area, definition of 5
  count/volume, definition of 5
Other records available 11

Paint Creek, below Paint Creek Dam, near Bainbridge 145
  near Bourneville 147
Pancoastburg, Deer Creek near 142
Parameter code, definition of 5
Partial-record station, definition of 6
Partial-record stations and miscellaneous sites 216
Particle-size, definition of 6
Particle-size classification, definition of. 6
Percent composition, definition of 6
Perintown, East Fork Little Miami River at.. 182
Periphyton, definition of 6
Perrysville, Clear Fork near 79
Pesticides, definition of 6
Pesticide program, explanation of 6
Phalanx Station, Eagle Creek at 33
Phytoplankton, definition of 6
Picocurie, definition of 6
Piedmont, Stillwater Creek at 72
Plankton, definition of 6
Pleasant Hill, Stillwater River at.......... 192
Pricetown, Kale Creek near 30
  Mahoning River at 29
Primary productivity, definition of 6
Prospect, Scioto River near 129
Publications on techniques of water-resources investigations.......... 19
Pymatuning Creek at Kinsman 46

Raccoon Creek at Adamsville 119
Raccoon Creek basin, gaging-station records in 119
Radiochemical program, definition of 7
Ravenna, West Branch Mahoning River near ... 31
Reading, Mill Creek at 183
Records of discharge collected by agencies other than the Geological Survey 11
Recoverable from bottom material 7
Rees, Big Walnut Creek at 140
Return period, definition of 7
Rockbridge, Clear Creek near 101

Page

Rocky Fork near Barretts Mills 146
Runoff in inches, definition of 7

Salt Fork Lake near Cambridge 88
Sandy Creek at Waynesburg 65
Scioto River at Chillicothe 144
  at Columbus 136
  at Higby 148
  below O'Shaughnessy Dam, near Dublin 132
  near Prospect 129
Scioto River basin, gaging-station
    records in 129
  reservoir records in 159
Sediment, data collection 16
Sediment, definition of.............. 7
Seneca Fork below Senecaville Dam,
    near Senecaville 86
Senecaville, Seneca Fork near.............. 86
Seven day/ 10-year, definition of 7
Sevenmile Creek at Camden 212
Shade River basin, gaging-station records in. 106
Shade River near Chester.............. 112
Short Creek basin, gaging-station records in. 49
Short Creek near Dillonvale 49
Sidney, Great Miami River at 186
Sodium-adsorption ratio (SAR), definition of. 7
Solute, definition of.............. 8
South Fork Licking River near Hebron 92
Specific conductance, definition of 8
Springfield, Mad River near 196
Stage-discharge relation. definition of 8
Stillwater Creek, at Piedmont 72
  at Tippecanoe 73
  at Uhrichsville 74
Stillwater River, at Englewood 193
  at Pleasant Hill 192
Strasburg, Sugar Creek at 71
Streamflow, definition of 8
Substrate, definition of 8
Sugar Creek (Muskingum River basin)
    at Strasburg 71
  below Beach City Dam, near Beach City 70
Surface area, definition of 8
Surface Water Records
  Data Collection and Computation,
    explanation of 12
  Data Presentation, explanation of......... 12
Surface Water Quality
  Classification of Records, explanation of. 15
  Arrangement of Records, explanation of ... 15
  Onsite measurement and sample collection,
    explanation of 15
  Water Temperature, explanation of 16
  Sediment, explanation of 16
  Laboratory Measurements, explanation of .. 16
  Data Presentation, explanation of 16
Surficial bed material, definition of 8
Suspended, definition of.............. 8
Suspended recoverable, definition of 8
Suspended sediment, definition of........... 7
Suspended sediment concentration,
    definition of 7
Suspended sediment discharge, definition of. 7
Suspended sediment load, definition of 7
Suspended total, definition of 8

Page

Tappan, Little Stillwater Creek at.......... 75
Taxonomy, definition of 9
Taylorsville, Great Miami River at.......... 190
Terms, definition of 3
Thormograph, definition of 9
Time-weighted average, definition of 9
Tippecanoe, Stillwater Creek at 73
Tons per acre foot, definition of 9
Tons per day, definition of 9
Total, definition of 9
Total coliform bacteria, definition of 3
Total discharge, definition of 9
Total in bottom material, definition of 9
Total load, definition of 9
Total organisim count, definition of 5
Total sediment discharge, definition of 7
Total recoverable, definition of 9
Trotwood, Wolf Creek at 199
Troy, Great Miami River at 189
Tuppers Plains, East Branch Shade River nr . 113
Tuscarawas River at Massillon 55
  at Navarre.............. 56
  at Newcomerstown 76
  below Dover Dam, near Dover 69
Twin Creek, near Germantown 211
  near Ingomar 210

Uhrichsville, Stillwater Creek at 74
Upper Twin Creek at McGaw 160
Upper Twin Creek basin
    gaging-station records in 160
Urbana, Mad River near 194

Wakatomika Creek near Frazeysburg 90
Walhonding River below Mohawk Dam, at Nellie. 82
Warrensburg, Bokes Creek near 130
Water analysis 15
Water temperature, data collection.......... 16
Water year, definition of 9
Wayland, West Branch Mahoning River at...... 32
Waynesburg, Sandy Creek at 65
Weighted average, definition of 10
West Branch Shade River near Burlingham 106
West Union, Ohio Brush Creek near 163
Wet mass, definition of 4
Wheeling Creek Basin, gaging-stations in ... 50
Wheeling Creek below Blaine 50
Whiteoak Creek basin gaging-stations in 164
Whiteoak Creek near Georgetown 164
Wilberforce, Massies Creek at 166
Williamsport, Deer Creek at 143
Wills Creek, at Cambridge 87
  below Wills Creek Dam at Wills Creek 89
Wolf Creek at Trotwood.............. 199
Worthington, Olentangy River near 135
WDR, definition of 9
WRD, definition of 10
WSP, definition of 10

Yellow Creek basin gaging-stations in 48
Yellow Creek near Hammondsville 48

Zooplankton, definition of 6

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	$2.54\mathrm{x}10^{1}$	millimeters (mm)
	$2.54\mathrm{x}10^{-2}$	meters (m)
feet (ft)	$3.048\mathrm{x}10^{-1}$	meters (m)
miles (mi)	$1.609\mathrm{x}10^{0}$	kilometers (km)
	Area	
acres	$4.047\mathrm{x}10^{3}$	square meters (m^2)
	$4.047\mathrm{x}10^{-1}$	square hectometers (hm^2)
	$4.047\mathrm{x}10^{-3}$	square kilometers (km^2)
square miles (mi^2)	$2.590\mathrm{x}10^{0}$	square kilometers (km^2)
	Volume	
gallons (gal)	$3.785\mathrm{x}10^{0}$	liters (L)
	$3.785\mathrm{x}10^{0}$	cubic decimeters (dm^3)
	$3.785\mathrm{x}10^{-3}$	cubic meters (m^3)
million gallons	$3.785\mathrm{x}10^{3}$	cubic meters (m^3)
	$3.785\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
cubic feet (ft^3)	$2.832\mathrm{x}10^{1}$	cubic decimeters (dm^3)
	$2.832\mathrm{x}10^{-2}$	cubic meters (m^3)
cfs-days	$2.447\mathrm{x}10^{3}$	cubic meters (m^3)
	$2.447\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
acre-feet (acre-ft)	$1.233\mathrm{x}10^{3}$	cubic meters (m^3)
	$1.233\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
	$1.233\mathrm{x}10^{-6}$	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	$2.832\mathrm{x}10^{1}$	liters per second (L/s)
	$2.832\mathrm{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$2.832\mathrm{x}10^{-2}$	cubic meters per second (m^3/s)
gallons per minute (gal/min)	$6.309\mathrm{x}10^{-2}$	liters per second (L/s)
	$6.309\mathrm{x}10^{-2}$	cubic decimeters per second (dm^3/s)
	$6.309\mathrm{x}10^{-5}$	cubic meters per second (m^3/s)
million gallons per day	$4.381\mathrm{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$4.381\mathrm{x}10^{-2}$	cubic meters per second (m^3/s)
	Mass	
tons (short)	$9.072\mathrm{x}10^{-1}$	megagrams (Mg) or metric tons